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Quality Appraisal

Table 1: Quality Evaluation- Intervention- Randomized

Study	Random Sequence Generation	Allocation Concealment	Blinding	Incomplete Outcome Data	Selective Reporting	Other Bias	Inclusion	Strength
Abraham, A., 2018	●	◑	○	●	●	●	Include	High Quality
Abraham, A., 2019	●	●	○	●	●	◑	Include	High Quality
Advocat, J., 2016	●	●	○	●	●	●	Include	High Quality
Ajimsha, M. S., 2014	◑	◑	○	●	●	●	Include	Moderate Quality
Akre, M., 2019	◑	◑	○	●	●	◑	Include	Moderate Quality
Allen, N. E., 2010	●	●	○	●	●	◑	Include	High Quality
Allen, N. E., 2017	●	◑	○	●	●	●	Include	High Quality
Alloni, A., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Altmann, L. J., 2016	◑	◑	○	●	●	●	Include	Moderate Quality
Alves, W. M., 2019	●	◑	○	○	●	●	Include	Moderate Quality
Amara, A. W., 2020	●	●	○	○	●	●	Include	Moderate Quality
Arcolin, I., 2015	●	◑	○	●	●	●	Include	High Quality
Ashburn, A., 2007	●	●	○	●	●	●	Include	High Quality
Ashburn, A., 2019	●	●	○	◑	●	◑	Include	Moderate Quality
Atan, T., 2019	●	●	◑	●	●	●	Include	High Quality
Atterbury, E. M., 2017	◑	◑	○	○	●	●	Include	Moderate Quality
Bakhshayesh, Babak, 2017	○	◑	○	●	◑	●	Include	Moderate Quality
Bang, D. H., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Baram, S., 2020	●	◑	○	◑	●	●	Include	Moderate Quality
Barbe, M. T., 2020	◑	◑	○	◑	◑	◑	Include	Moderate Quality
Barboza, N. M., 2019	●	●	○	◑	●	●	Include	High Quality
Beck, E. N., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Beck, E. N., 2020	●	◑	○	●	●	●	Include	High Quality
Bekkers, E. M. J., 2020	◑	◑	○	●	●	●	Include	Moderate Quality
Bello, O., 2013	◑	◑	○	●	●	◑	Include	Moderate Quality
Bernini, S., 2019	●	◑	○	●	●	●	Include	High Quality

Biddiscombe, K. J., 2020	●	◑	○	●	●	◑	Include	Moderate Quality
Braun, S., 2011	◑	○	○	○	●	●	Include	Moderate Quality
Burini, D., 2006	●	●	○	●	●	●	Include	High Quality
Burt, J., 2020	○	◑	○	●	●	◑	Include	Moderate Quality
Cabrera-Martos, I., 2019	●	◑	○	●	●	●	Include	High Quality
Cabrera-Martos, I., 2020	●	●	○	●	●	●	Include	High Quality
Cakit, B. D., 2007	◑	◑	○	○	●	●	Include	Moderate Quality
Calabro, R. S., 2019	◑	◑	○	●	●	●	Include	Moderate Quality
Canning, C. G., 2015	●	◑	○	●	●	●	Include	High Quality
Capato, T. T. C., 2020	●	●	○	●	●	◑	Include	High Quality
Capecci, M., 2019	●	●	○	◑	●	●	Include	High Quality
Carda, S., 2012	●	●	○	●	●	●	Include	High Quality
Carpinella, I., 2017	◑	◑	●	●	●	●	Include	High Quality
Chaiwanichsiri, D., 2011	◑	◑	○	●	●	●	Include	Moderate Quality
Chang, H. Y., 2019	●	●	○	●	●	◑	Include	High Quality
Charles, D., 2014	◑	◑	○	●	●	●	Include	Moderate Quality
Cheng, F. Y., 2016	●	●	◑	●	●	●	Include	High Quality
Cheng, F. Y., 2017	●	◑	○	●	●	●	Include	High Quality
Cherup, N. P., 2019	●	◑	○	◑	●	●	Include	Moderate Quality
Cheung, C., 2018	●	●	○	●	●	●	Include	High Quality
Chivers Seymour, K., 2019	●	●	○	○	●	●	Include	Moderate Quality
Chiviacowsky, S., 2012	◑	◑	○	●	●	●	Include	Moderate Quality
Cikajlo, I., 2019	●	◑	○	●	●	●	Include	High Quality
Clarke, C. E., 2016	●	◑	○	◑	●	◑	Include	Moderate Quality
Clarke, C. E., 2016	●	◑	○	●	●	◑	Include	Moderate Quality
Clerici, I., 2019	●	◑	○	●	●	●	Include	High Quality
Coe, S., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Collett, J., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Collett, J., 2017	●	◑	○	◑	●	●	Include	Moderate Quality

Combs, S. A., 2013	●	◑	○	●	●	●	Include	High Quality
Conradsson, D., 2015	●	●	●	○	●	●	Include	High Quality
Corcos, D. M., 2013	●	◑	○	●	●	●	Include	High Quality
Costa-Ribeiro, A., 2017	●	●	○	●	●	●	Include	High Quality
Cugusi, L., 2015	◑	◑	○	●	●	●	Include	Moderate Quality
da Silva Rocha Paz, T., 2019	◑	◑	○	◑	●	○	Include	Moderate Quality
DÃƒÂez-Cirarda, M., 2017	●	◑	○	●	●	●	Include	High Quality
Daneshmandi, Hasan,	○	◑	○	●	◑	●	Include	Moderate Quality
Daneshvar, P., 2019	●	◑	○	●	●	●	Include	High Quality
David, F. J., 2015	◑	◑	○	○	●	●	Include	Moderate Quality
David, F. J., 2016	◑	◑	○	●	●	◑	Include	Moderate Quality
De Icco, R., 2015	●	◑	○	●	●	●	Include	High Quality
de Lima, T. A., 2019	●	◑	○	●	●	●	Include	High Quality
De Luca, R., 2019	●	◑	○	●	●	●	Include	High Quality
De Luca, R., 2020	◑	◑	○	●	●	●	Include	Moderate Quality
de Melo, G. E. L., 2018	●	◑	○	●	●	●	Include	High Quality
Deepa, S., 2019	◑	◑	○	●	●	◑	Include	Moderate Quality
Del Din, S., 2020	◑	◑	○	●	●	●	Include	Moderate Quality
Demonceau, M., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Deuschl, G., 2006	◑	◑	○	●	●	◑	Include	Moderate Quality
Dibble, L. E., 2015	●	●	○	●	●	●	Include	High Quality
Dobkin, R. D., 2020	◑	●	○	●	●	●	Include	High Quality
Duncan, R. P., 2012	◑	◑	○	◑	●	●	Include	Moderate Quality
Ebersbach, G., 2008	◑	○	○	●	●	●	Include	Moderate Quality
Ebersbach, G., 2010	◑	◑	○	●	●	●	Include	Moderate Quality
Ebersbach, G., 2014	◑	◑	○	●	●	●	Include	Moderate Quality
Ebersbach, G., 2015	◑	◑	○	●	●	●	Include	Moderate Quality
El-Tamawy, M. S., 2012	●	◑	○	●	●	●	Include	High Quality
El-Wishy, A. A., 2013	●	◑	◑	●	●	●	Include	High Quality

Elbers, R., 2009	◑	●	○	●	●	●	Include	High Quality
Ellis, T. D., 2019	●	●	○	●	●	●	Include	High Quality
Ellis, T., 2005	●	●	○	●	●	●	Include	High Quality
Fellman, D., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Feng, H., 2019	◑	◑	○	●	●	●	Include	Moderate Quality
Fernandez-Del-Olmo, M. A., 2014	◑	◑	○	●	●	●	Include	Moderate Quality
Fernandez-Gonzalez, P., 2019	○	◑	◑	●	●	●	Include	Moderate Quality
Ferraz, D. D., 2018	●	●	○	●	●	●	Include	High Quality
Ferrazzoli, D., 2018	●	●	○	●	●	◑	Include	High Quality
Ferreira, R. M., 2018	●	◑	○	●	●	●	Include	High Quality
Fisher, B. E., 2008	●	◑	○	●	●	●	Include	High Quality
Follett, K. A., 2010	◑	●	●	●	●	○	Include	High Quality
Foster, E. R., 2013	◑	◑	○	●	●	●	Include	Moderate Quality
Foster, E. R., 2017	●	◑	○	●	●	●	Include	High Quality
Frazzitta, G., 2009	◑	◑	◑	●	●	●	Include	High Quality
Frazzitta, G., 2012	●	●	○	●	●	●	Include	High Quality
Frazzitta, G., 2014	●	●	○	●	●	●	Include	High Quality
Frazzitta, G., 2015	●	◑	○	●	●	●	Include	High Quality
Frazzitta, G., 2015	●	●	○	○	●	●	Include	Moderate Quality
Furnari, A., 2017	●	●	○	●	●	○	Include	Moderate Quality
Gage, H., 2014	○	●	○	●	●	○	Include	Moderate Quality
Galli, M., 2016	●	◑	○	●	●	●	Include	High Quality
Galli, M., 2018	◑	◑	◑	●	●	●	Include	High Quality
Gandolfi, M., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Gandolfi, M., 2019	●	●	○	●	●	●	Include	High Quality
Ganesan, M., 2014	◑	◑	○	●	●	◑	Include	Moderate Quality
Ganesan, M., 2014	◑	◑	○	●	●	●	Include	Moderate Quality
Gao, Q., 2014	◑	●	○	●	●	●	Include	High Quality

Gasner, H., 2019	●	◑	○	○	●	●	Include	Moderate Quality
Geroin, C., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Ghielen, I., 2017	●	●	○	●	●	●	Include	High Quality
Giardini, M., 2018	◑	◑	◑	●	●	●	Include	High Quality
Giehl, K., 2020	●	●	○	◑	●	◑	Include	Moderate Quality
Ginis, P., 2016	●	◑	○	●	●	●	Include	High Quality
Gobbi, L. T., 2013	◑	◑	○	○	●	●	Include	Moderate Quality
Gondim, I., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Goodwin, V. A., 2011	●	●	○	●	●	●	Include	High Quality
Granziera, S., 2020	●	◑	○	◑	●	◑	Include	Moderate Quality
Grobbelaar, R., 2017	●	●	○	●	●	●	Include	High Quality
Hackney, M. E., 2008	●	●	○	●	●	●	Include	High Quality
Hackney, M. E., 2009	●	○	○	●	●	●	Include	Moderate Quality
Harro, C. C., 2014	◑	◑		○	●	●	Include	Moderate Quality
Heremans, E., 2016	◑	◑	○	●	○	◑	Include	Moderate Quality
Hewitt, J., 2018	●	◑	○	○	●	●	Include	Moderate Quality
Hulbert, S., 2017	◑	●	○	●	●	●	Include	High Quality
Jaywant, A., 2016	●	●	○	●	●	●	Include	High Quality
Jitkritsadakul, O., 2017	●	◑	●	●	●	●	Include	High Quality
Joseph, C., 2019	◑	◑	○	●	●	●	Include	Moderate Quality
Kadkhodaie, M., 2020	◑	●	○	○	●	●	Include	Moderate Quality
Kalyani, H. H., 2020	○	○	○	◑	◑	○	Include	Low Quality
Karl, J. A., 2020	●	●	●	◑	●	◑	Include	High Quality
Katz, M., 2015	◑	◑	◑	●	●	●	Include	High Quality
Keus, S. H., 2007	◑	◑	○	●	●	●	Include	Moderate Quality
Khalil, H., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Khallaf, Mohamed, 2011	◑	◑	○	●	●	●	Include	Moderate Quality
King, L. A., 2015	●	●	◑	●	●	◑	Include	High Quality
King, L. A., 2020	●	●	○	●	●	◑	Include	High Quality

Klamroth, S., 2016	●	●	●	●	●	●	Include	High Quality
Klamroth, S., 2019	●	◑	○	◑	○	●	Include	Moderate Quality
Kleiner, A. F. R., 2018	●	●	●	●	●	●	Include	High Quality
Kraepelien, M., 2020	◑	●	○	●	●	●	Include	High Quality
Kunkel, D., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Kurlan, Roger, 2015	○	◑	○	◑	●	◑	Include	Moderate Quality
Kurt, E. E., 2018	●	◑	○	●	●	●	Include	High Quality
Kurtais, Y., 2008	◑	◑	○	●	●	●	Include	Moderate Quality
Kwok, J. Y. Y., 2019	●	●	○	●	●	◑	Include	High Quality
Lakshminarayana, R., 2017	●	●	○	○	●	●	Include	Moderate Quality
Landers, M. R., 2016	●	●	○	●	●	○	Include	Moderate Quality
Landers, M. R., 2019	●	◑	○	●	●	●	Include	High Quality
Leal, L. C., 2019	●	◑	○	●	●	●	Include	High Quality
Lee, H. J., 2018	●	◑	○	●	●	●	Include	High Quality
Lee, N. Y., 2015	◑	◑	○	●	●	●	Include	Moderate Quality
Li, F., 2012	●	◑	○	●	●	●	Include	High Quality
Li, F., 2014	◑	◑	○	●	●	●	Include	Moderate Quality
Liao, Y. Y., 2015	◑	◑	○	●	●	●	Include	Moderate Quality
Liao, Y. Y., 2015	◑	●	○	●	●	●	Include	High Quality
Lim, I., 2010	●	●	○	●	●	●	Include	High Quality
Liu, X. L., 2016	◑	◑	○	●	●	●	Include	Moderate Quality
Lizarraga, K. J., 2016	◑	◑	◑	●	●	◑	Include	Moderate Quality
Lofgren, N., 2019	◑	◑	○	●	●	●	Include	Moderate Quality
Ma, H. I., 2011	●	●	○	●	●	●	Include	High Quality
Maggio, M. G., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Maidan, I., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Maidan, I., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Mak, M. K., 2008	◑	◑	○	●	●	●	Include	Moderate Quality
Manor, Y., 2013	◑	◑	○	●	●	●	Include	Moderate Quality

Marumoto, K., 2019	○	○	◑	●	●	◑	Include	Moderate Quality
Marusiak, J., 2019	●	●	◑	●	●	●	Include	High Quality
Mateos-Toset, S., 2016	●	●	●	●	●	●	Include	High Quality
McDonald, C., 2020	●	◑	○	◑	●	◑	Include	Moderate Quality
Menza, M., 2009	●	◑	●	○	●	●	Include	High Quality
Miyahara, Y., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Mohammadpour, H., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Mollinedo-Cardalda, I., 2018	●	◑	○	●	●	●	Include	High Quality
Monteiro, E. P., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Montgomery Jr, E. B., 1994	●	◑	○	●	●	●	Include	High Quality
Monticone, M., 2015	●	●	○	●	●	●	Include	High Quality
Morris, M. E., 2009	●	◑	○	●	●	●	Include	High Quality
Morris, M. E., 2015	●	●	○	●	●	●	Include	High Quality
Morris, M. E., 2017	●	●	◑	●	●	●	Include	High Quality
Morrone, M., 2016	●	●	◑	●	●	◑	Include	High Quality
Munneke, M., 2010	●	●	●	●	●	◑	Include	High Quality
Murdoch, K. C., 2020	◑	◑	○	◑	●	◑	Include	Moderate Quality
Murgia, M., 2018	●	◑	●	●	●	●	Include	High Quality
Myers, P. S., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Nackaerts, E., 2016	◑	◑	○	●	●	◑	Include	Moderate Quality
Nackaerts, E., 2017	◑	◑	○	●	◑	●	Include	Moderate Quality
Ni, M., 2016	◑	◑	○	●	●	◑	Include	Moderate Quality
Ni, M., 2016	◑	◑	○	●	●	●	Include	Moderate Quality
Ni, M., 2016	●	◑	○	●	●	●	Include	High Quality
Ni, M., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Nieuwboer, A., 2007	●	●	○	●	●	●	Include	High Quality
Odekerken, V. J. J., 2013	●	●	●	●	●	◑	Include	High Quality
Odekerken, V. J., 2016	◑	●	●	●	●	◑	Include	High Quality
Okun, M. S., 2012	●	●	○	●	●	○	Include	Moderate Quality

Ophey, A., 2020	●	◑	○	●	●	◑	Include	Moderate Quality
Ortiz-Rubio, A., 2018	●	●	○	●	●	●	Include	High Quality
Pacchetti, C., 2000	◑	◑	○	●	●	●	Include	Moderate Quality
Palamara, G., 2017	●	◑	○	●	●	●	Include	High Quality
Pandya, Shailja,	○	○	○	●	◑	●	Include	Moderate Quality
Park, A., 2014	◑	◑	○	●	●	●	Include	Moderate Quality
Park, Y., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Paul, S. S., 2014	●	◑	○	●	●	◑	Include	Moderate Quality
Pazzaglia, C., 2020	◑	◑	○	●	●	●	Include	Moderate Quality
Pedreira, Glicia, 2013	●	◑	○	○	●	●	Include	Moderate Quality
Pelosin, E., 2017	●	◑	○	●	●	●	Include	High Quality
Pelosin, E., 2018	●	◑	○	●	●	●	Include	High Quality
Pena, J., 2014	◑	●	●	●	●	●	Include	High Quality
Peppe, A., 2019	●	●	●	●	●	●	Include	High Quality
Perez de la Cruz, S., 2017	●	◑	○	●	●	●	Include	High Quality
Perez-de la Cruz, S., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Petrelli, A., 2014	●	◑	○	●	●	◑	Include	Moderate Quality
Picelli, A., 2012	●	●	◑	●	●	●	Include	High Quality
Picelli, A., 2012	●	●	◑	◑	●	●	Include	High Quality
Picelli, A., 2013	●	●	○	●	●	●	Include	High Quality
Picelli, A., 2015	●	●	◑	●	●	●	Include	High Quality
Piemonte, M., 2015	●	●	○	●	●	●	Include	High Quality
Pinto, C., 2018	●	●	●	●	●	●	Include	High Quality
Poier, D., 2019	●	◑	○	●	●	●	Include	High Quality
Poliakoff, E., 2013	●	●	○	○	●	●	Include	Moderate Quality
Pompeu, J. E., 2012	●	◑	○	●	●	●	Include	High Quality
Prodoehl, J., 2015	◑	◑	○	●	●	●	Include	Moderate Quality
Prusch, J. S., 2018	●	●	●	●	●	●	Include	High Quality
Rafferty, M. R., 2017	●	◑	○	●	●	●	Include	High Quality

Rawson, K. S., 2019	○	◑	○	○	●	●	Include	Moderate Quality
Reference: 12689	◑	◑	○	●	●	●	Include	Moderate Quality
Reyes, A., 2018	●	●	○	○	●	●	Include	Moderate Quality
Ribas, C. G., 2017	●	●	○	●	●	●	Include	High Quality
Ridgel, A. L., 2016	●	◑	●	●	●	●	Include	High Quality
Rios Romenets, S., 2015	●	◑	○	●	●	●	Include	High Quality
Rocchi, L., 2012	◑	◑	●	●	●	◑	Include	High Quality
Rochester, L., 2010	◑	◑	○	●	●	●	Include	Moderate Quality
Rothlind, J. C., 2015	◑	◑	○	●	●	○	Include	Moderate Quality
Sacheli, M. A., 2019	◑	●	◑	◑	●	◑	Include	Moderate Quality
Sackley, C. M., 2018	●	●	○	●	●	◑	Include	High Quality
Sajatovic, M., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Sale, P., 2013	●	◑	◑	●	●	●	Include	High Quality
Santos, L., 2017	●	●	○	●	●	●	Include	High Quality
Santos, L., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Santos, P., 2019	◑	◑	◑	●	●	●	Include	High Quality
Santos, S. M., 2017	●	●	◑	●	●	●	Include	High Quality
Schenkman, M., 1998	◑	◑	○	●	●	●	Include	Moderate Quality
Schenkman, M., 2012	●	◑	○	○	●	●	Include	Moderate Quality
Schenkman, M., 2018	●	●	○	●	●	●	Include	High Quality
Schlenstedt, C., 2015	●	◑	○	○	●	◑	Include	Moderate Quality
Schmitz-Hubsch, T., 2006	●	◑	○	◑	●	●	Include	Moderate Quality
Serrao, M., 2019	●	●	◑	●	●	◑	Include	High Quality
Shahmohammadi, Reza, 2017	●	●	○	●	●	◑	Include	High Quality
Shanahan, J., 2017	●	●	○	○	●	●	Include	Moderate Quality
Shen, X., 2012	◑	◑	○	●	●	●	Include	Moderate Quality
Shen, X., 2014	●	◑	○	○	●	●	Include	Moderate Quality
Shen, X., 2015	◑	◑	○	◑	●	●	Include	Moderate Quality
Shih, M. C., 2016	●	●	○	●	●	●	Include	High Quality

Shujaat, F., 2014	○	◑	○	●	●	●	Include	Moderate Quality
Shulman, L. M., 2013	◑	◑	○	●	●	●	Include	Moderate Quality
Silva, A. Z. D., 2019	◑	●	◑	●	●	●	Include	High Quality
Silva-Batista, C., 2016	◑	◑	○	●	●	●	Include	Moderate Quality
Silva-Batista, C., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Silva-Batista, C., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Silva-Batista, C., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Silveira, C. R. A., 2018	●	●	○	○	●	●	Include	Moderate Quality
Smania, N., 2010	◑	◑	○	●	●	●	Include	Moderate Quality
Soke, F., 2019	●	◑	○	○	●	●	Include	Moderate Quality
Son, H. G., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Song, J. H., 2015	●	◑	○	●	○	●	Include	Moderate Quality
Song, J., 2018	●	●	○	●	●	●	Include	High Quality
St George, R. J., 2012	◑	◑	●	○	●	◑	Include	Moderate Quality
St George, R. J., 2014	◑	◑	●	●	●	●	Include	High Quality
St George, R. J., 2015	◑	◑	●	●	○	●	Include	Moderate Quality
Steib, S., 2017	●	◑	○	●	●	●	Include	High Quality
Steib, S., 2019	●	◑	●	●	●	●	Include	High Quality
Stozek, J., 2016	●	◑	○	●	●	●	Include	High Quality
Strouwen, C., 2017	●	●	○	●	●	●	Include	High Quality
Strouwen, C., 2019	◑	◑	○	●	●	●	Include	Moderate Quality
Sturkenboom, I. H., 2013	●	◑	○	●	●	○	Include	Moderate Quality
Sturkenboom, I. H., 2014	●	◑	○	●	●	◑	Include	Moderate Quality
Sun, Y., 2017	●	◑	○	●	●	●	Include	High Quality
Taghizadeh, G., 2018	◑	◑	○	●	●	●	Include	Moderate Quality
Teixeira-Machado, L., 2015	●	●	○	●	●	●	Include	High Quality
Teixeira-Machado, L., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Tickle-Degnen, L., 2010	●	●	○	●	●	●	Include	High Quality

Tollar, J., 2019	●	◑	○	●	●	●	Include	High Quality
Trigueiro, L. C., 2017	●	◑	○	●	●	●	Include	High Quality
Troche, M. S., 2010	◑	◑	●	●	●	●	Include	High Quality
Unterreiner, M., 2019	◑	◑	○	○	●	●	Include	Moderate Quality
van den Heuvel, M. R., 2014	●	●	●	●	●	●	Include	High Quality
van der Kolk, N. M., 2019	●	●	●	●	●	◑	Include	High Quality
van der Marck, M. A., 2013	●	●	○	○	●	●	Include	Moderate Quality
van Nimwegen, M., 2013	◑	◑	○	●	●	●	Include	Moderate Quality
Van Puymbroeck, M., 2018	●	●	○	●	●	●	Include	High Quality
Vanbellingen, T., 2017	●	●	○	●	●	●	Include	High Quality
Vaughan, C. P., 2019	●	●	○	●	●	●	Include	High Quality
Vergara-Diaz, G., 2018	◑	◑	○	○	●	◑	Include	Moderate Quality
Vieira de Moraes Filho, A., 2020	◑	◑	○	○	●	●	Include	Moderate Quality
Volpe, D., 2013	●	●	◑	●	●	●	Include	High Quality
Volpe, D., 2014	●	◑	●	●	●	●	Include	High Quality
Volpe, D., 2014	●	●	○	●	●	●	Include	High Quality
Volpe, D., 2017	●	●	◑	○	●	●	Include	High Quality
Vorasoot, N., 2020	●	◑	○	●	●	●	Include	High Quality
Voss, T. S., 2012	●	◑	●	◑	●	●	Include	High Quality
Wade, D. T., 2003	◑	◑	○	○	●	●	Include	Moderate Quality
Wallen, M. B., 2018	●	●	●	●	●	●	Include	High Quality
Walter, A. A., 2019	◑	●	○	●	●	●	Include	High Quality
Walton, C. C., 2018	◑	◑	○	◑	●	●	Include	Moderate Quality
Weaver, F. M., 2012	●	◑	○	○	●	○	Include	Moderate Quality
White, D. K., 2009	●	◑	○	○	●	●	Include	Moderate Quality
Williams, A., 2010	●	◑	○	○	●	◑	Include	Moderate Quality
Wills, A. M., 2017	◑	◑	○	●	●	●	Include	Moderate Quality
Winward, C., 2012	●	◑	○	●	●	●	Include	High Quality
Wong-Yu, I. S. K., 2019	●	●	○	●	●	●	Include	High Quality

Wong-Yu, I. S., 2015	●	◑	○	●	●	●	Include	High Quality
Yang, J. H., 2017	●	◑	○	●	●	●	Include	High Quality
Yang, W. C., 2016	◑	◑	○	●	●	◑	Include	Moderate Quality
Yang, W. C., 2016	●	◑	○	●	●	●	Include	High Quality
Yang, Y. R., 2010	●	●	○	○	●	●	Include	Moderate Quality
Yang, Y. R., 2013	●	◑	○	●	●	●	Include	High Quality
Yen, C. Y., 2011	●	◑	○	●	●	●	Include	High Quality
Yousefi, B., 2009	○	◑	○	●	●	●	Include	Moderate Quality
Zhu, M., 2020	●	◑	○	●	●	●	Include	High Quality
Zhu, Z., 2018	●	●	○	●	●	●	Include	High Quality

PICO 1

Table 21: PICO 1a- Aerobic vs. Control- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sajatovic, 2017	Moderate	Sessions completed ( )	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Mean Difference	-1.3 (-7.49, 4.89)	NS
Van der Kolk, 2019	High	Sessions completed ( )	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS

Table 3: 2PICO 1a- Aerobic vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	Adverse events (Adverse event rate (per participant))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.8 (-3.50, 5.10)	NS
Perez de la Cruz, 2017	High	VAS ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-1.2 (-2.03, -0.37)	**Aquatic Ai Chi**
Perez de la Cruz, 2017	High	VAS ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-1.5 (-2.23, -0.77)	**Aquatic Ai Chi**
Khalil, 2017	Moderate	Pain ( )	.	Home-based exercise and Walking program: Exercise DVD and walking program (45 min), 8 weeks	Control (Standard care)	RD	0.40(0.15,0.65)	**Control (Standard care)**
Van der Kolk, 2019	High	Adverse events ( )	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Adverse events (Possibly related to exercise))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Adverse events (Possibly related to exercise, severity greater than mild))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Arthralgia and back pain)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Vasovagal reaction during first visit)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Falls ( )	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Palpitations)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Arrhythmias)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Musculoskeletal and connective tissue disorders)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Serious adverse events (Musculoskeletal and connective tissue disorders)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Cardiac disorders)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Serious adverse events (Cardiac disorders; severity greater than mild)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Adverse events (Nervous system disorders)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van der Kolk, 2019	High	Serious adverse events (Nervous system disorders; severity greater than mild)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Serious adverse events (Serious adverse events (Musculoskeletal))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Serious adverse events (Serious adverse events (Cardiac disorders))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Serious adverse events (Serious adverse events (Nervous system disorders))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Serious adverse events (Serious adverse events (Injury, poisoning, and procedural complications))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Van der Kolk, 2019	High	Serious adverse events (Serious adverse events (Ear and labyrinth disorders))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Adverse events related to exercise (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Adverse events related to exercise: Severity greater than mild (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Falls ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Falls (Falls: Severity greater than mild (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Pain (Pain in extremity (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Pain (Pain: Severity greater than mild (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Musculoskeletal and connective tissue disorders)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Musculoskeletal and connective tissue disorders: Severity greater than mild)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Injury, poisoning, procedural complications)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Injury, poisoning, procedural complications: Severity greater than mild)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Infections & Infestations)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Infections & Infestations: Severity greater than mild)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2018	High	Serious adverse events (Serious adverse events: GI tract disorders)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Serious adverse events: Renal and urinary tract disorders)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Adverse events related to exercise (# of patients))	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Adverse events related to exercise: Severity greater than mild (# of patients))	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Falls ( )	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Falls (Falls: Severity greater than mild (# of patients))	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Pain (Pain in extremity (# of patients))	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Pain (Pain: Severity greater than mild (# of patients))	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Musculoskeletal and connective tissue disorders)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Musculoskeletal and connective tissue disorders)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Injury, poisoning, procedural complications)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Injury, poisoning, procedural complications: Severity greater than mild)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Infections & Infestations)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Infections & Infestations: Severity greater than mild)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Serious adverse events: GI tract disorders)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Serious adverse events: Renal and urinary tract disorders)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	RD	.(.,.)	NS
Collett, 2017	Moderate	Adverse events ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	RD	.(.,.)	NS

Table 43: PICO 1a- Aerobic vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	UPDRS III (MDS-UPDRS III (on medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-11.3 (-21.84, -0.76)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	UPDRS III (MDS-UPDRS III (on medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-7.9 (-20.80, 5.00)	NS
Landers, 2019	High	UPDRS III (MDS-UPDRS III (off medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-8.7 (-22.98, 5.58)	NS
Landers, 2019	High	UPDRS III (MDS-UPDRS III (off medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-11.4 (-24.30, 1.50)	NS
Landers, 2019	High	BDNF ( )	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	883.2 (-231.33, 1997.73)	NS
Landers, 2019	High	BDNF ( )	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	86.1 (-74.17, 246.37)	NS
Landers, 2019	High	TNF alpha ((pg/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-7 (-14.63, 0.63)	NS
Landers, 2019	High	TNF alpha ((pg/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-6.6 (-19.78, 6.58)	NS
Landers, 2019	High	IL-6 (IL-6 (pg/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-5.8 (-19.53, 7.93)	NS
Landers, 2019	High	IL-6 (IL-6 (pg/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-1 (-20.92, 18.92)	NS
Landers, 2019	High	IL-10 (IL-10 (pg/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.3 (-4.83, 5.43)	NS
Landers, 2019	High	IL-10 (IL-10 (pg/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-2 (-6.02, 2.02)	NS
Landers, 2019	High	IL-10/TNF alpha (IL-10/TNF alpha (ratio))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.8 (-2.90, 4.50)	NS
Landers, 2019	High	IL-10/TNF alpha (IL-10/TNF alpha (ratio))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-0.11 (-3.85, 3.63)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Marusiak, 2019	High	UPDRS III (UPDRS III (23 (Bradykinesia- UE)))	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test, p= 0.003	N/A	**Exp group favored over Control**
Cheng, 2017	High	UPDRS III ( )	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-1.3 (-5.69, 3.09)	NS
Cheng, 2017	High	UPDRS III ( )	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-1.9 (-6.03, 2.23)	NS
Cheng, 2017	High	UPDRS III (UPDRS III (Bradykinesia, Postural Instability, & Gait Subscore))	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-0.6 (-2.32, 1.12)	NS
Cheng, 2017	High	UPDRS III (UPDRS III (Bradykinesia, Postural Instability, & Gait Subscore))	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-0.6 (-2.32, 1.12)	NS
Perez de la Cruz, 2017	High	UPDRS III ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	0.26 (-4.97, 5.49)	NS
Perez de la Cruz, 2017	High	UPDRS III ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	0.26 (-4.97, 5.49)	NS
Perez de la Cruz, 2017	High	UPDRS IV ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-0.33 (-1.94, 1.28)	NS
Perez de la Cruz, 2017	High	UPDRS IV ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-0.33 (-1.94, 1.28)	NS
Perez de la Cruz, 2017	High	UPDRS Total ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	0.4 (-10.85, 11.65)	NS
Perez de la Cruz, 2017	High	UPDRS Total ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-4.8 (-14.69, 5.09)	NS
Collett, 2017	Moderate	UPDRS III ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	-4 (-6.77, -1.23)	**Exercise (Aerobic/Resistance)(Community exercise program)**
Collett, 2017	Moderate	UPDRS III ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	-1.5 (-4.69, 1.69)	NS
Altmann, 2016	Moderate	UPDRS Total ( )	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-3.2 (-12.22, 5.82)	NS
Altmann, 2016	Moderate	UPDRS III ( )	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.1 (-6.36, 6.56)	NS
Altmann, 2016	Moderate	UPDRS IV ( )	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.3 (-2.05, 1.45)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cugusi, 2015	Moderate	UPDRS III ( )	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-7.2 (-17.81, 3.41)	NS
Poliakoff, 2013	Moderate	UPDRS III ( )	10 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study (10 wks after Gym group))	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	UPDRS III ( )	20 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Shen, 2012	Moderate	UPDRS III (UPDRS- Posture & Gait)	.	Repetitive step training: 1hr, 3x/week, 4 weeks	Control (Lower limb strength training): 1hr, 3x/week, 4 weeks	Mean Difference	-0.6 (-1.84, 0.64)	NS
Schenkman, 2012	Moderate	UPDRS III ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-2 (-2.71, -1.29)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.5 (-2.23, -0.77)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-2.3 (-3.15, -1.45)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3.6 (-4.52, -2.68)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3.6 (-4.64, -2.56)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-4.2 (-5.33, -3.07)	**Supervised aerobic exercise**
Frazzitta, 2009	High	UPDRS III ( )	.	Treadmill Training with Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Traditional Rehabilitation with only Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Author Reported - ANOVA, p = 0.1446	N/A	NS
Fisher, 2008	High	UPDRS Total (UPDRS Total-Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	1.3 (-6.93, 9.53)	NS
Fisher, 2008	High	UPDRS III (UPDRS III-Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	1.8 (-5.37, 8.97)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fisher, 2008	High	UPDRS Total (UPDRS Total-Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.9 (-10.28, 12.08)	NS
Fisher, 2008	High	UPDRS III (UPDRS III-Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-0.1 (-7.90, 7.70)	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Mohammadpour, 2018	Moderate	UPDRS III ( )	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	7.95(.,.)	**Combined exercise favored over Control**
Sajatovic, 2017	Moderate	UPDRS III (MDS-UPDRS III)	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-1.30(.,.)	NS
Sajatovic, 2017	Moderate	UPDRS III (MDS-UPDRS III)	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.70(.,.)	NS
Sajatovic, 2017	Moderate	IL-6 (IL-6 (pg/mL))	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.20(.,.)	NS
Sajatovic, 2017	Moderate	IL-6 (IL-6 (pg/mL))	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.10(.,.)	NS
Sajatovic, 2017	Moderate	TNF alpha ((pg/mL))	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	0.10(.,.)	NS
Sajatovic, 2017	Moderate	TNF alpha ((pg/mL))	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	0.10(.,.)	NS
Sajatovic, 2017	Moderate	BDNF ( )	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	63.20(.,.)	NS
Sajatovic, 2017	Moderate	BDNF ( )	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	11.70(.,.)	NS
Granziera, 2020	Moderate	UPDRS III ( )	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	14.00(.,.)	NS
Klamroth, 2019	Moderate	UPDRS III (UPDRS III (Pull test) (responders))	.	Perturbation treadmill training (PTT): 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Sacheli, 2019	Moderate	UPDRS Total (UPDRS (Off medication))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Better hemisphere-Caudate))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Better hemisphere-Anterior putamen))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Better hemisphere-Middle putamen))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Better hemisphere-Posterior putamen))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Worse hemisphere-Caudate))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Worse hemisphere-Anterior putamen))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Worse hemisphere-Middle putamen))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sacheli, 2019	Moderate	[11C] raclopride binding potential ([11C] raclopride binding potential after repetitive transcranial magnetic stimulation (Worse hemisphere-Posterior putamen))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	UPDRS III (MDS-UPDRS III (off medication))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	UPDRS III (MDS-UPDRS III (on medication))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	UPDRS IV (MDS-UPDRS IV)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS III ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS Total ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS III (MDS-UPDRS III)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS III ( )	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS Total ( )	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS III (MDS-UPDRS III)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
da Silva Rocha Paz, 2019	Moderate	UPDRS Total ( )	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS
da Silva Rocha Paz, 2019	Moderate	UPDRS III ( )	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS

Table 54: PICO 1a- Aerobic vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tollar, 2019	High	UPDRS II ( )	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-4.4 (-5.70, -3.10)	**Agility Exergaming**
Tollar, 2019	High	ADL (Schwab and England Scale)	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	6.2 (1.86, 10.54)	**Agility Exergaming**
Tollar, 2019	High	Balance (BBS)	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	10.2 (7.22, 13.18)	**Agility Exergaming**
Tollar, 2019	High	Balance (BESTest)	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	3.5 (-0.45, 7.45)	NS
Tollar, 2019	High	Tinetti Assessment Tool (TAT) (Tinetti Assessment Tool (TAT))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-4.8 (-10.24, 0.64)	NS
Tollar, 2019	High	Gait assessment (DGI)	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	1.2 (0.33, 2.07)	**Agility Exergaming**
Tollar, 2019	High	Walk test (6MWT (m))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	145.9 (103.53, 188.27)	**Agility Exergaming**
Tollar, 2019	High	Amount of sway (COP path (cm)- Wide stance (Eyes open))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-5.2 (-7.48, -2.92)	**Agility Exergaming**
Tollar, 2019	High	Amount of sway (COP path (cm)- Wide stance (Eyes closed))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.4 (-4.27, -0.53)	**Agility Exergaming**
Tollar, 2019	High	Amount of sway (COP path (cm)- Narrow stance (Eyes open))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.5 (-5.87, 0.87)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Narrow stance (Eyes closed))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-3.2 (-6.20, -0.20)	**Agility Exergaming**
Tollar, 2019	High	Amount of sway (COP path (cm)- Tandem stance (Eyes open))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-4.4 (-9.27, 0.47)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Tandem stance (Eyes closed))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-0.5 (-7.34, 6.34)	NS
Tollar, 2019	High	UPDRS II ( )	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-3.1 (-4.44, -1.76)	**Stationary Cycling**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tollar, 2019	High	ADL (Schwab and England Scale)	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	1.8 (-2.44, 6.04)	NS
Tollar, 2019	High	Balance (BBS)	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	5.6 (2.73, 8.47)	**Stationary Cycling**
Tollar, 2019	High	Balance (BESTest)	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	5.4 (0.44, 10.36)	**Stationary Cycling**
Tollar, 2019	High	Tinetti Assessment Tool (TAT) (Tinetti Assessment Tool (TAT))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-1.2 (-2.45, 0.05)	NS
Tollar, 2019	High	Gait assessment (DGI)	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	0.8 (0.15, 1.45)	**Stationary Cycling**
Tollar, 2019	High	Walk test (6MWT (m))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	157.9 (119.51, 196.29)	**Stationary Cycling**
Tollar, 2019	High	Amount of sway (COP path (cm)- Wide stance (Eyes open))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.7 (-5.10, -0.30)	**Stationary Cycling**
Tollar, 2019	High	Amount of sway (COP path (cm)- Wide stance (Eyes closed))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.2 (-4.45, 0.05)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Narrow stance (Eyes open))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-3.3 (-7.02, 0.42)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Narrow stance (Eyes closed))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.9 (-5.88, 0.08)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Tandem stance (Eyes open))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-1.3 (-5.57, 2.97)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Tandem stance (Eyes closed))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	2.9 (-4.22, 10.02)	NS
Landers, 2019	High	Balance (Mini BESTest (on medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	4.6 (0.86, 8.34)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	Balance (Mini BESTest (on medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.8 (-0.22, 7.82)	NS
Landers, 2019	High	Balance (Mini BESTest (off medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	4.1 (0.06, 8.14)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	Balance (Mini BESTest (off medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.2 (-0.41, 6.81)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	Balance (ABC)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	10.5 (-8.10, 29.10)	NS
Landers, 2019	High	Balance (ABC)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	2 (-17.25, 21.25)	NS
Landers, 2019	High	Fall Fear/Risk (Catastrophization About Falls Questionnaire)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-1.9 (-3.84, 0.04)	NS
Landers, 2019	High	Fall Fear/Risk (Catastrophization About Falls Questionnaire)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-1.1 (-3.49, 1.29)	NS
Landers, 2019	High	Fall Fear/Risk (FFABQ)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-4.3 (-15.95, 7.35)	NS
Landers, 2019	High	Fall Fear/Risk (FFABQ)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-3.1 (-13.91, 7.71)	NS
Landers, 2019	High	Walk test (6MWT (on medication) (m))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	73.3 (-33.52, 180.12)	NS
Landers, 2019	High	Walk test (6MWT (on medication) (m))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	74.7 (-80.48, 229.88)	NS
Landers, 2019	High	Walk test (6MWT (off medication) (m))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	54.1 (-94.83, 203.03)	NS
Landers, 2019	High	Walk test (6MWT (off medication) (m))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	41.9 (-91.22, 175.02)	NS
Landers, 2019	High	Mobility (Sit-to-stand (on medication) (n))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.1 (-1.75, 7.95)	NS
Landers, 2019	High	Mobility (Sit-to-stand (on medication) (n))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.4 (-2.43, 9.23)	NS
Landers, 2019	High	Mobility (Sit-to-stand (off medication) (n))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	1.5 (-3.08, 6.08)	NS
Landers, 2019	High	Mobility (Sit-to-stand (off medication) (n))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	1.6 (-3.25, 6.45)	NS
Marusiak, 2019	High	Strength/Power (Time taken for manipulating hand grip force development)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test, p= 0.025	N/A	**Exp group favored over Control**
Marusiak, 2019	High	Strength/Power (Rate of manipulating hand grip force development)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test, p= 0.044	N/A	**Exp group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Marusiak, 2019	High	Strength/Power (Peak value of manipulating hand grip force)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	Strength/Power (Achieved maximal value of load force)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	Strength/Power (Peak value of developed load force)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	Strength/Power (Time taken for 20% load force development)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	Strength/Power (Rate of 20% load force development)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	UPDRS II (UPDRS II (8-11; Daily life manual functions))	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	ADL (Schwab and England Scale)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Silva, 2019	High	Mobility (TUG)	.	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	-2.41 (-5.15, 0.33)	NS
Silva, 2019	High	Mobility (TUG)	3 mos	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	-3.37 (-5.88, -0.86)	**Dual task aquatic exercise program**
Silva, 2019	High	Mobility (5T Sit-to-Stand)	.	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	-3.82 (-5.74, -1.90)	**Dual task aquatic exercise program**
Silva, 2019	High	Mobility (5T Sit-to-Stand)	3 mos	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	-4.2 (-6.06, -2.34)	**Dual task aquatic exercise program**
Silva, 2019	High	Balance (BBS)	.	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	6.71 (2.41, 11.01)	**Dual task aquatic exercise program**
Silva, 2019	High	Balance (BBS)	3 mos	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	5.02 (1.70, 8.34)	**Dual task aquatic exercise program**
Silva, 2019	High	Gait assessment (DGI)	.	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	4.54 (2.15, 6.93)	**Dual task aquatic exercise program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva, 2019	High	Gait assessment (DGI)	3 mos	Dual task aquatic exercise program: 1hr, 2x/week, 10 weeks	Control (No exercise program)	Mean Difference	2.79 (1.30, 4.28)	**Dual task aquatic exercise program**
Cheng, 2017	High	Gait speed (Speed (cm/s) (Curved-walking performance))	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	6.7 (-7.09, 20.49)	NS
Cheng, 2017	High	Gait speed (Speed (cm/s) (Curved-walking performance))	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	3.4 (-11.28, 18.08)	NS
Cheng, 2017	High	Step (Cadence (steps/min) (Curved-walking performance))	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-13.5 (-23.24, -3.76)	**Curved-walking training (with turning-based treadmill)**
Cheng, 2017	High	Step (Cadence (steps/min) (Curved-walking performance))	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-12.6 (-21.84, -3.36)	**Curved-walking training (with turning-based treadmill)**
Cheng, 2017	High	Step (Step length (cm) (Curved-walking performance))	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	10.5 (3.12, 17.88)	**Curved-walking training (with turning-based treadmill)**
Cheng, 2017	High	Step (Step length (cm) (Curved-walking performance))	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	6 (-0.97, 12.97)	NS
Cheng, 2017	High	FOG ( )	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-2.5 (-6.53, 1.53)	NS
Cheng, 2017	High	FOG ( )	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-1.4 (-5.51, 2.71)	NS
Cheng, 2017	High	Gait speed (Speed (cm/s) (Straight walking performance))	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	13.6 (-7.70, 34.90)	NS
Cheng, 2017	High	Gait speed (Speed (cm/s) (Straight walking performance))	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	6.9 (-11.71, 25.51)	NS
Cheng, 2017	High	Step (Cadence (steps/min) (Straight walking performance))	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-14 (-27.59, -0.41)	**Curved-walking training (with turning-based treadmill)**
Cheng, 2017	High	Step (Cadence (steps/min) (Straight walking performance))	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-14 (-27.82, -0.18)	**Curved-walking training (with turning-based treadmill)**
Cheng, 2017	High	Step (Step length (cm) (Straight walking performance))	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	13.6 (5.17, 22.03)	**Curved-walking training (with turning-based treadmill)**
Cheng, 2017	High	Step (Step length (cm) (Straight walking performance))	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	8.3 (0.20, 16.40)	**Curved-walking training (with turning-based treadmill)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2017	High	Mobility (TUG)	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-0.8 (-2.94, 1.34)	NS
Cheng, 2017	High	Mobility (TUG)	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-0.8 (-3.39, 1.79)	NS
Cheng, 2017	High	Gait assessment (FGA)	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	3.4 (-1.65, 8.45)	NS
Cheng, 2017	High	Gait assessment (FGA)	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	3.1 (-2.20, 8.40)	NS
Perez de la Cruz, 2017	High	Balance (BBS)	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	4.7 (-1.15, 10.55)	NS
Perez de la Cruz, 2017	High	Balance (BBS)	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	8.5 (3.43, 13.57)	**Aquatic Ai Chi**
Perez de la Cruz, 2017	High	Mobility (5T Sit-to-Stand)	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-2.2 (-5.92, 1.52)	NS
Perez de la Cruz, 2017	High	Mobility (5T Sit-to-Stand)	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-3.9 (-6.77, -1.03)	**Aquatic Ai Chi**
Perez de la Cruz, 2017	High	Mobility (TUG)	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-2.4 (-4.53, -0.27)	**Aquatic Ai Chi**
Perez de la Cruz, 2017	High	Mobility (TUG)	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	-2.7 (-4.56, -0.84)	**Aquatic Ai Chi**
Perez de la Cruz, 2017	High	Tinetti Assessment Tool (TAT) (Tinetti Assessment Tool (TAT))	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	2.7 (-1.67, 7.07)	NS
Perez de la Cruz, 2017	High	Tinetti Assessment Tool (TAT) (Tinetti Assessment Tool (TAT))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	3.1 (-0.99, 7.19)	NS
Perez de la Cruz, 2017	High	UPDRS II ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	0.26 (-3.97, 4.49)	NS
Perez de la Cruz, 2017	High	UPDRS II ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	0.26 (-3.97, 4.49)	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Time (sec))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Time (sec))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 1 (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 1 (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 2 (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 2 (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Total area (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Total area (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Ratio (%))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Ratio (%))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Khalil, 2017	Moderate	Mobility (30S Chair Stand Test (reps))	.	Home-based exercise and Walking program: Exercise DVD and walking program (45 min), 8 weeks	Control (Standard care)	Mean Difference	1.4 (-1.42, 4.22)	NS
Khalil, 2017	Moderate	Fall Fear/Risk (FES)	.	Home-based exercise and Walking program: Exercise DVD and walking program (45 min), 8 weeks	Control (Standard care)	Mean Difference	-10.1 (-21.34, 1.14)	NS
Khalil, 2017	Moderate	Physical performance (Physical Performance Test)	.	Home-based exercise and Walking program: Exercise DVD and walking program (45 min), 8 weeks	Control (Standard care)	Mean Difference	2.6 (-2.08, 7.28)	NS
Khalil, 2017	Moderate	Walk test (6MWT (m))	.	Home-based exercise and Walking program: Exercise DVD and walking program (45 min), 8 weeks	Control (Standard care)	Mean Difference	57.3 (-30.56, 145.16)	NS
Collett, 2017	Moderate	Walk test (2MWT (m))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	3.4 (-3.25, 10.05)	NS
Collett, 2017	Moderate	Walk test (2MWT (m))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	6.7 (-0.37, 13.77)	NS
Collett, 2017	Moderate	Hand/UE dexterity (9-HPT (sec))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0 (-1.66, 1.66)	NS
Collett, 2017	Moderate	Hand/UE dexterity (9-HPT (sec))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.5 (-1.16, 2.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	Mobility (TUG)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.1 (-0.73, 0.93)	NS
Collett, 2017	Moderate	Mobility (TUG)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	-0.5 (-1.33, 0.33)	NS
Collett, 2017	Moderate	Strength/Power (Leg power (watts))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	15 (-4.40, 34.40)	NS
Collett, 2017	Moderate	Strength/Power (Leg power (watts))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	15 (-4.40, 34.40)	NS
Collett, 2017	Moderate	Strength/Power (Grip strength)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0 (-2.77, 2.77)	NS
Collett, 2017	Moderate	Strength/Power (Grip strength)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	3 (-1.38, 7.38)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (More affected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.183 (-0.07, 0.43)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (Less affected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.278 (0.02, 0.54)	**Aerobic training**
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee extension (Sum) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.446 (-0.05, 0.94)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (More affected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.061 (-0.08, 0.20)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (Less affected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.049 (-0.10, 0.20)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee flexion (Sum) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.122 (-0.16, 0.40)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak work load (w/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.3 (-0.10, 0.70)	NS
Demonceau, 2017	Moderate	Gait speed (Speed (m/s))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.05 (-0.07, 0.17)	NS
Demonceau, 2017	Moderate	Stride (Stride length)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.01 (-0.11, 0.09)	NS
Demonceau, 2017	Moderate	Step (Cadence)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.04 (-0.01, 0.09)	NS
Demonceau, 2017	Moderate	Mobility (Cadence)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.1 (-0.24, 0.04)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Walk test (Cadence)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	52 (-4.95, 108.95)	NS
Liu, 2016	Moderate	Strength/Power (Muscle Hardness of Left Pronator Teres (nm))	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	-35.19 (-56.60, -13.78)	**Health Qigong exercise (aerobic low-intensity exercise) + Medication**
Liu, 2016	Moderate	Strength/Power (Muscle Hardness of Right Pronator Teres (nm))	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	-32.21 (-64.17, -0.25)	**Health Qigong exercise (aerobic low-intensity exercise) + Medication**
Liu, 2016	Moderate	Hand-eye coordination (Hand-eye coordination (turn-over-jars)- Left)	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	-2.06 (-4.21, 0.09)	NS
Liu, 2016	Moderate	Hand-eye coordination (Hand-eye coordination (turn-over-jars)- Right)	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	-1.44 (-2.75, -0.13)	**Health Qigong exercise (aerobic low-intensity exercise) + Medication**
Liu, 2016	Moderate	Mobility (TUG)	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	-2.18 (-2.45, -1.91)	**Health Qigong exercise (aerobic low-intensity exercise) + Medication**
Liu, 2016	Moderate	Hand/UE dexterity (9-HPT-Left)	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	1.09 (0.00, 2.18)	**Control (Regular Medication)**
Liu, 2016	Moderate	Hand/UE dexterity (9-HPT-Right)	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	1.02 (-0.14, 2.18)	NS
Liu, 2016	Moderate	Balance (One-legged Blind Balance Test- Left)	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	2.88 (-1.11, 6.87)	NS
Liu, 2016	Moderate	Balance (One-legged Blind Balance Test- Right)	.	Health Qigong exercise (aerobic low-intensity exercise) + Medication: 1hr, 5x/week, 10 weeks	Control (Regular Medication)	Mean Difference	3.48 (1.31, 5.65)	**Health Qigong exercise (aerobic low-intensity exercise) + Medication**
El Tamawy, 2012	High	Step (Cadence)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	8.4 (5.55, 11.25)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	Stride (Stride length)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.14 (0.10, 0.18)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	Gait speed (Walking speed)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.32 (0.25, 0.39)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El Tamawy, 2012	High	Walk test (Walking distance)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.163 (-0.23, 0.55)	NS
El Tamawy, 2012	High	ROM (Hip flexion: Initial contact (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	3.3 (2.61, 3.99)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Hip flexion: Mid stance (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	-1.4 (-2.17, -0.63)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Hip flexion: Mid swing (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	5.8 (4.94, 6.66)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Knee flexion: Initial contact (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	-1.1 (-1.54, -0.66)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Knee flexion: Mid stance (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	-1.4 (-1.88, -0.92)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Knee flexion: Mid swing (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	4.9 (2.88, 6.92)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Ankle dorsiflexion: Initial contact (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.8 (0.40, 1.20)	**Control (Routine Physiotherapy Program)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El Tamawy, 2012	High	ROM (Ankle dorsiflexion: Mid stance (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	1.9 (1.32, 2.48)	**Control (Routine Physiotherapy Program)**
El Tamawy, 2012	High	ROM (Ankle dorsiflexion: Mid swing (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	1.2 (0.80, 1.60)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
Altmann, 2016	Moderate	UPDRS II ( )	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-1 (-4.43, 2.43)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1 (-1.81, -0.19)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.7 (-1.79, 0.39)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-2.6 (-10.62, 5.42)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	2.2 (-7.78, 12.18)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.2 (-1.00, 0.60)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.3 (-1.26, 0.66)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	7.8 (3.03, 12.57)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	7.9 (2.23, 13.57)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.03 (-0.06, -0.00)	**Control exercise (Trunk exercise and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.03 (-0.06, -0.00)	**Control exercise (Trunk exercise and turning training)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.04, 0.06)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.04, 0.06)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.14 (0.03, 0.25)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.08 (-0.04, 0.20)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.1 (-1.95, 1.75)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.2 (-2.23, 1.83)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (360° turn time) (sec))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1 (-2.96, 0.96)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (360° turn time) (sec))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1.3 (-3.50, 0.90)	NS
Cheng, 2016	High	Stability (LOS: Maximal excursion- Anterior (%))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	9.3 (-2.58, 21.18)	NS
Cheng, 2016	High	Stability (LOS: Maximal excursion- Anterior (%))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	14.8 (0.98, 28.62)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	5.9 (-4.48, 16.28)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	3 (-7.85, 13.85)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	66.5 (-75.93, 208.93)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	54.3 (-96.61, 205.21)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	38 (-109.38, 185.38)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	38.1 (-108.84, 185.04)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	25.6 (-80.25, 131.45)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	27.6 (-74.21, 129.41)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	20.1 (-35.61, 75.81)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	19.9 (-36.12, 75.92)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	20.5 (-41.71, 82.71)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	37.3 (-20.16, 94.76)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	40.1 (-14.78, 94.98)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	32.8 (-21.64, 87.24)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.1 (-1.11, 1.31)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.3 (-1.40, 2.00)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-9.20, 9.20)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-12.08, 12.08)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.4 (-1.05, 1.85)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.4 (-1.27, 2.07)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-3.7 (-7.71, 0.31)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-2.2 (-6.84, 2.44)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.02 (-0.01, 0.05)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.02, 0.04)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-0.01 (-0.07, 0.05)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-0.06, 0.06)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-0.1 (-0.20, -0.00)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-0.03 (-0.13, 0.07)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.9 (-1.51, 3.31)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.9 (-1.70, 3.50)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (360° turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.1 (-1.75, 1.95)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (360° turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-2.08, 2.08)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Stability (LOS (Maximal excursion- Anterior) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	6.8 (-6.46, 20.06)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion- Anterior) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	1.3 (-13.85, 16.45)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	3.7 (-9.04, 16.44)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	1 (-11.25, 13.25)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-18.5 (-177.94, 140.94)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-14.7 (-176.74, 147.34)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	68.3 (-103.36, 239.96)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	64.8 (-105.38, 234.98)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	57 (-63.80, 177.80)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	40.1 (-75.52, 155.72)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.4 (-64.50, 65.30)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-3.7 (-68.25, 60.85)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	12.7 (-38.19, 63.59)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	13.8 (-36.56, 64.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-15 (-71.05, 41.05)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-23.3 (-74.56, 27.96)	NS
Cugusi, 2015	Moderate	Walk test (6MWT (m))	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	66.4 (7.08, 125.72)	**Nordic Walking**
Cugusi, 2015	Moderate	Mobility (5T Sit-to-Stand)	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-4 (-9.16, 1.16)	NS
Cugusi, 2015	Moderate	Strength/Power (Hand grip strength)	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-0.6 (-10.41, 9.21)	NS
Cugusi, 2015	Moderate	Balance (BBS)	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	8.6 (2.85, 14.35)	**Nordic Walking**
Cugusi, 2015	Moderate	Mobility (TUG)	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-2 (-3.85, -0.15)	**Nordic Walking**
Cugusi, 2015	Moderate	Balance (Sit-and-reach)	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	11.4 (3.59, 19.21)	**Nordic Walking**
Cugusi, 2015	Moderate	ROM (Back Scratch Test (m))	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	0.5 (-2.15, 3.15)	NS
Liao, 2015	Moderate	Gait velocity ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Stability (Forward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Mobility (TUG)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Ebersbach, 2014	Moderate	Reaction time (Non-cued reaction time (nRT) (msec))	.	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	42 (-22.61, 106.61)	NS
Ebersbach, 2014	Moderate	Reaction time (Non-cued reaction time (nRT) (msec))	16 wks	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	14 (-57.70, 85.70)	NS
Ebersbach, 2014	Moderate	Reaction time (Cued reaction time (cRT) (msec))	.	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	19 (-29.10, 67.10)	NS
Ebersbach, 2014	Moderate	Reaction time (Cued reaction time (cRT) (msec))	16 wks	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	-5 (-67.62, 57.62)	NS
Poliakoff, 2013	Moderate	Mobility (Timed chair task (# stands); Stand up out of chair and sit down as many times as possible in 30 sec)	10 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Mobility (Timed chair task (# stands); Stand up out of chair and sit down as many times as possible in 30 sec)	20 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Walk test (6 foot walk (sec))	10 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Walk test (6 foot walk (sec))	20 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Mobility (Timed hand task (sec); 10 rapid alternating pronation-supination movements with each hand)	10 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Mobility (Timed hand task (sec); 10 rapid alternating pronation-supination movements with each hand)	20 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Mobility (Timed leg task (sec); 10 heel taps with each foot and arising from chair)	10 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Poliakoff, 2013	Moderate	Mobility (Timed leg task (sec); 10 heel taps with each foot and arising from chair)	20 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Reaction time (Sequence RT learning (ms))	10 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Reaction time (Sequence RT learning (ms))	20 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Reaction time (Sequence RT (ms))	10 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Poliakoff, 2013	Moderate	Reaction time (Sequence RT (ms))	20 wks	Gym (Cardiovascular activity): 1hr, 2x/wk, 20 weeks	Control (Delayed program): 1hr, 2x/wk, 10 weeks (second half of study)	Author Reported	N/A	NS
Yang, 2013	High	Gait speed (Comfortable gait speed (m/s))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Gait speed (Fast walking speed)	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Mobility (TUG)	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Shen, 2012	Moderate	Stability (LOS (Reaction time) (sec))	.	Repetitive step training: 1hr, 3x/week, 4 weeks	Control (Lower limb strength training): 1hr, 3x/week, 4 weeks	Mean Difference	-0.2 (-0.42, 0.02)	NS
Shen, 2012	Moderate	Stability (LOS (Movement velocity) (deg/sec))	.	Repetitive step training: 1hr, 3x/week, 4 weeks	Control (Lower limb strength training): 1hr, 3x/week, 4 weeks	Mean Difference	0.5 (-0.59, 1.59)	NS
Shen, 2012	Moderate	Stability (LOS (Endpoint excursion) (%))	.	Repetitive step training: 1hr, 3x/week, 4 weeks	Control (Lower limb strength training): 1hr, 3x/week, 4 weeks	Mean Difference	0.3 (-9.73, 10.33)	NS
Shen, 2012	Moderate	Gait velocity ( )	.	Repetitive step training: 1hr, 3x/week, 4 weeks	Control (Lower limb strength training): 1hr, 3x/week, 4 weeks	Mean Difference	1.4 (-11.97, 14.77)	NS
Shen, 2012	Moderate	Stride (Stride length)	.	Repetitive step training: 1hr, 3x/week, 4 weeks	Control (Lower limb strength training): 1hr, 3x/week, 4 weeks	Mean Difference	4.9 (-8.51, 18.31)	NS
Shen, 2012	Moderate	Step (Cadence)	.	Repetitive step training: 1hr, 3x/week, 4 weeks	Control (Lower limb strength training): 1hr, 3x/week, 4 weeks	Mean Difference	-3.4 (-9.86, 3.06)	NS
Schenkman, 2012	Moderate	Physical performance (Continuous Scale- Physical Functional Performance)	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	1.2 (0.18, 2.22)	**Supervised aerobic exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	Physical performance (Continuous Scale- Physical Functional Performance)	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.2 (-0.93, 1.33)	NS
Schenkman, 2012	Moderate	Physical performance (Continuous Scale- Physical Functional Performance)	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.9 (-0.23, 2.03)	NS
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.3 (0.06, 0.54)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.2 (-0.44, 0.04)	NS
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.4 (0.16, 0.64)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.3 (-1.63, -0.97)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.7 (-2.08, -1.32)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.7 (-2.08, -1.32)	**Supervised aerobic exercise**
Yang, 2010	Moderate	Gait speed (Walking speed)	.	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Gait speed (Walking speed)	1 mos	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Step (Cadence)	.	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Step (Cadence)	1 mos	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2010	Moderate	Stride (Stride length)	.	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Stride (Stride length)	1 mos	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Posture (Thoracic kyphotic curve (°))	.	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Posture (Thoracic kyphotic curve (°))	1 mos	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Strength/Power (Muscle strength: Knee extensors (N))	.	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Strength/Power (Muscle strength: Knee extensors (N))	1 mos	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Strength/Power (Muscle strength: Knee flexors (N))	.	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Yang, 2010	Moderate	Strength/Power (Muscle strength: Knee flexors (N))	1 mos	Downhill Walking Training (Treadmill): 30min, 3x/week, 4 weeks	Control (Conventional therapy): 30min, 3x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Frazzitta, 2009	High	FOG ( )	.	Treadmill Training with Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Traditional Rehabilitation with only Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Author Reported - ANOVA, p = 0.007	N/A	**Treadmill training favored over Control**
Frazzitta, 2009	High	Walk test (6MWT (m))	.	Treadmill Training with Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Traditional Rehabilitation with only Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Author Reported - ANOVA, p = 0.0004	N/A	**Treadmill training favored over Control**
Frazzitta, 2009	High	Gait speed ( )	.	Treadmill Training with Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Traditional Rehabilitation with only Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Author Reported - ANOVA, p = 0.0126	N/A	**Treadmill training favored over Control**
Frazzitta, 2009	High	Stride (Stride cycle (stride/s))	.	Treadmill Training with Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Traditional Rehabilitation with only Auditory/Visual Cues: 20min, 7x/week, 4 weeks	Author Reported - ANOVA, p = 0.0263	N/A	**Treadmill training favored over Control**
Fisher, 2008	High	UPDRS II (UPDRS I-Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-1 (-3.99, 1.99)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fisher, 2008	High	Gait velocity (Velocity (m/s)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.01 (-0.14, 0.16)	NS
Fisher, 2008	High	Step (Step Length (m)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.01 (-0.07, 0.09)	NS
Fisher, 2008	High	Step (Step width (m)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.03 (-0.14, 0.20)	NS
Fisher, 2008	High	Step (Step width (m)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-0.01 (-0.03, 0.01)	NS
Fisher, 2008	High	Step (Cadence (steps/min)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-2.15 (-10.42, 6.12)	NS
Fisher, 2008	High	Double support (Double limb support time (% of gait cycle)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-1.35 (-4.69, 1.99)	NS
Fisher, 2008	High	ROM (Hip ROM (°)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	1.9 (-1.96, 5.76)	NS
Fisher, 2008	High	ROM (Knee ROM (°)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-0.1 (-3.92, 3.72)	NS
Fisher, 2008	High	ROM (Ankle ROM (°)- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	4.2 (0.19, 8.21)	**Low Intensity Exercise (PT)**
Fisher, 2008	High	Gait velocity (Velocity (m/s)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-0.1 (-0.37, 0.17)	NS
Fisher, 2008	High	Step (Step Length (m)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.03 (-0.07, 0.13)	NS
Fisher, 2008	High	Stride (Stride Length (m)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.01 (-0.17, 0.19)	NS
Fisher, 2008	High	Step (Step width (m)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-0.01 (-0.03, 0.01)	NS
Fisher, 2008	High	Step (Cadence (steps/min)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-8.99 (-24.33, 6.35)	NS
Fisher, 2008	High	Double support (Double limb support time (% of gait cycle)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	2.21 (-0.89, 5.31)	NS
Fisher, 2008	High	ROM (Hip ROM (°)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	2.1 (-2.24, 6.44)	NS
Fisher, 2008	High	ROM (Knee ROM (°)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	1.5 (-7.93, 10.93)	NS
Fisher, 2008	High	ROM (Ankle ROM (°)- Fast Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	3.1 (-1.36, 7.56)	NS
Fisher, 2008	High	UPDRS II (UPDRS II (Walking))	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.8 (-2.66, 4.26)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fisher, 2008	High	Gait velocity (Velocity (m/s)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.11 (-0.05, 0.27)	NS
Fisher, 2008	High	Step (Step Length (m)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.06 (-0.02, 0.14)	NS
Fisher, 2008	High	Stride (Stride length (Usual walking))	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.13 (-0.04, 0.30)	NS
Fisher, 2008	High	Step (Step width (m)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0 (-0.02, 0.02)	NS
Fisher, 2008	High	Step (Cadence (steps/min)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-0.24 (-7.73, 7.25)	NS
Fisher, 2008	High	Double support (Double limb support time (% of gait cycle)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-1.54 (-4.51, 1.43)	NS
Fisher, 2008	High	ROM (Hip ROM (°)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	5.15 (0.51, 9.79)	**High Intensity Exercise (10% BWSTT)**
Fisher, 2008	High	ROM (Knee ROM (°)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.2 (-3.75, 4.15)	NS
Fisher, 2008	High	ROM (Ankle ROM (°)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	5.9 (1.92, 9.88)	**High Intensity Exercise (10% BWSTT)**
Fisher, 2008	High	Gait velocity (Velocity (m/s)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-0.04 (-0.37, 0.29)	NS
Fisher, 2008	High	Step (Step Length (m)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.06 (-0.05, 0.17)	NS
Fisher, 2008	High	Step (Step width (m)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.1 (-0.12, 0.32)	NS
Fisher, 2008	High	Step (Step width (m)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0 (-0.02, 0.02)	NS
Fisher, 2008	High	Step (Cadence (steps/min)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	-12.4 (-26.35, 1.55)	NS
Fisher, 2008	High	Double support (Double limb support time (% of gait cycle)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	1.89 (-1.11, 4.89)	NS
Fisher, 2008	High	ROM (Hip ROM (°)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	5.8 (0.85, 10.75)	**High Intensity Exercise (10% BWSTT)**
Fisher, 2008	High	ROM (Knee ROM (°)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	6.7 (-2.30, 15.70)	NS
Fisher, 2008	High	ROM (Ankle ROM (°)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	6.1 (2.69, 9.51)	**High Intensity Exercise (10% BWSTT)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cakit, 2007	Moderate	Balance (BBS)	8 wks	Treadmill training: 30min/session, 8 weeks	Control	Mean Difference	2.69 (-22.41, 27.79)	NS
Cakit, 2007	Moderate	Gait assessment (DGI)	8 wks	Treadmill training: 30min/session, 8 weeks	Control	Mean Difference	0.54 (-11.83, 12.91)	NS
Cakit, 2007	Moderate	Fall Fear/Risk (FES)	8 wks	Treadmill training: 30min/session, 8 weeks	Control	Mean Difference	-3.75 (-28.00, 20.50)	NS
Cakit, 2007	Moderate	Walk test (Walking distance)	8 wks	Treadmill training: 30min/session, 8 weeks	Control	Mean Difference	364.36 (109.49, 619.23)	**Treadmill training**
Cakit, 2007	Moderate	Gait speed (Tolerated maximum speed on treadmill (km/hr))	8 wks	Treadmill training: 30min/session, 8 weeks	Control	Mean Difference	0.75 (-1.15, 2.65)	NS
Keus, 2007	Moderate	Parkinson Activity Scale (PAS)	.	Individual Physiotherapy: 1-2x/wk, 10 weeks	Control (No physiotherapy)	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Coe, 2018	Moderate	UPDRS II (UPDRS II (Turning in bed))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	-0.1 (-0.46, 0.26)	NS
Sajatovic, 2017	Moderate	Self-efficacy (GSE (General Self-Efficacy scale))	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.50(.,.)	NS
Sajatovic, 2017	Moderate	Self-efficacy (GSE (General Self-Efficacy scale))	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	0.00(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Granziera, 2020	Moderate	Tinetti Assessment Tool (TAT) (POMA-T (Tinetti))	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	11.30(.,.)	NS
Granziera, 2020	Moderate	Mobility (TUG)	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	8.90(.,.)	NS
Granziera, 2020	Moderate	Walk test (6MWT (m))	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	440.60(.,.)	NS
Granziera, 2020	Moderate	Walk test (10MWT (m/s))	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	0.47(.,.)	NS
Klamroth, 2019	Moderate	Amount of sway (Center of pressure Root mean square (responders))	.	Perturbation treadmill training: 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Klamroth, 2019	Moderate	Balance (Mini BESTest (Sensory orientation) (responders))	.	Perturbation treadmill training: 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Klamroth, 2019	Moderate	Balance (Mini BESTest: Reactive postural control (responders))	.	Perturbation treadmill training (PTT): 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Klamroth, 2019	Moderate	Balance (Mini BESTest: Anticipatory postural control (responders))	.	Perturbation treadmill training (PTT): 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Klamroth, 2019	Moderate	Balance (Mini BESTest (Dynamic gait) (responders))	.	Perturbation treadmill training (PTT): 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Klamroth, 2019	Moderate	Mobility (TUG (responders))	.	Perturbation treadmill training (PTT): 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Klamroth, 2019	Moderate	Mobility (Dual task TUG (responders))	.	Perturbation treadmill training (PTT): 40min, 2x/wk, 8 weeks	Control (Conventional treadmill training): 40min, 2x/wk, 8 weeks	RD	.(.,.)	NS
Sacheli, 2019	Moderate	Strength/Power (Maximum power (W))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Hand/UE dexterity (Purdue Pegboard Test)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Mobility (Finger taps)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Reaction time (Reaction time (sec))	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Mobility (TUG)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Falls (Number of falls)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Walk test (6MWT (m))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van der Kolk, 2019	High	Mobility (TUG)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Balance (Mini BESTest)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Hand/UE dexterity (Purdue Pegboard Test (More affected))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Mobility (Finger taps (most affected side))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS II ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS II (MDS-UPDRS II)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	Step (Total step count)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS II ( )	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS II (MDS-UPDRS II)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	Step (Total step count)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
da Silva Rocha Paz, 2019	Moderate	Mobility (TUG)	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS
da Silva Rocha Paz, 2019	Moderate	Walk test (6MWT (m))	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS
da Silva Rocha Paz, 2019	Moderate	Mobility (Downstairs (sec))	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
da Silva Rocha Paz, 2019	Moderate	Mobility (Upstairs (sec))	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS
da Silva Rocha Paz, 2019	Moderate	Gait speed ( )	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS
da Silva Rocha Paz, 2019	Moderate	UPDRS II ( )	.	Treadmill Training and Kinesiotherapy: 50min, 2x/wk, 14 weeks	Conventional Physiotherapy (Relaxation/active stretching exercises, mobility/dynamic balance training, strengthening training, functional activity training): 50min, 2x/wk, 14 weeks	Author Reported - MW U test	N/A	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Stride (Stride length (level walking))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Stride (Stride length (level walking))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Gait assessment (FGA)	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Gait assessment (FGA)	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Khallaf, 2011	Moderate	Walk test (Walking distance)	.	Moderate Aerobic Training (treadmill) + Conventional physiotherapy program: 3x/wk, 6 weeks (20min additional aerobic training)	Control (Conventional physiotherapy program alone): 3x/wk, 6 weeks	Author Reported	N/A	NS
Khallaf, 2011	Moderate	Gait speed (Walking speed)	.	Moderate Aerobic Training (treadmill) + Conventional physiotherapy program: 3x/wk, 6 weeks (20min additional aerobic training)	Control (Conventional physiotherapy program alone): 3x/wk, 6 weeks	Author Reported	N/A	NS
Khallaf, 2011	Moderate	UPDRS II ( )	.	Moderate Aerobic Training (treadmill) + Conventional physiotherapy program: 3x/wk, 6 weeks (20min additional aerobic training)	Control (Conventional physiotherapy program alone): 3x/wk, 6 weeks	Author Reported	N/A	NS

Table 65: PICO 1a- Aerobic vs. Control- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van der Kolk, 2019	High	LEDD ( )	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS

Table 76: PICO 1a- Aerobic vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tollar, 2019	High	Depression (BDI)	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.6 (-3.79, -1.41)	**Agility Exergaming**
Tollar, 2019	High	Depression (BDI)	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.2 (-3.41, -0.99)	**Stationary Cycling**
Landers, 2019	High	Fatigue (PFS-16)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.6 (-0.23, 1.43)	NS
Landers, 2019	High	Fatigue (PFS-16)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0 (-0.83, 0.83)	NS
Marusiak, 2019	High	Cognition (TMT A)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	Cognition (TMT B)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	Cognition (Stroop Test)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	Cognition (Stroop Test)	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Marusiak, 2019	High	UPDRS I (UPDRS I (1-4 (Intellectual and emotional states)))	.	Trained group (Aerobic Interval Training (cycle ergometer) + Usual care): 1hr, 3x/week, 8 weeks	Control (Usual care)	Author Reported - MW U or T test	N/A	NS
Silveira, 2018	High	Cognition (Digit Span Forward)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.85 (-2.36, 0.66)	NS
Silveira, 2018	High	Cognition (Digit Span Backward)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-1 (-2.49, 0.49)	NS
Silveira, 2018	High	Cognition (CBTT (Corsi's block-tapping test))	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.11 (-1.02, 0.80)	NS
Silveira, 2018	High	Cognition (TMT A)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-15.02 (-44.13, 14.09)	NS
Silveira, 2018	High	Cognition (TMT B)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-85.29 (-256.64, 86.06)	NS
Silveira, 2018	High	Cognition (Stroop Test)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-2.22 (-18.42, 13.98)	NS
Silveira, 2018	High	Cognition (Stroop Test)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	0.77 (-11.17, 12.71)	NS
Silveira, 2018	High	Cognition (Stroop Test)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-1.99 (-9.98, 6.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (CVLT)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.48 (-2.01, 1.05)	NS
Silveira, 2018	High	Cognition (CVLT)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.68 (-2.31, 0.95)	NS
Silveira, 2018	High	Cognition (Rey-O)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-1.93 (-7.06, 3.20)	NS
Silveira, 2018	High	Cognition (Rey-O)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-1.3 (-6.44, 3.84)	NS
Silveira, 2018	High	Cognition (Phonemic Fluency)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-3.81 (-6.71, -0.91)	**Control (Usual care)**
Silveira, 2018	High	Cognition (Semantic Fluency)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-2.85 (-5.89, 0.19)	NS
Silveira, 2018	High	Cognition (Boston Naming Test)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-1.07 (-1.92, -0.22)	**Control (Usual care)**
Silveira, 2018	High	Cognition (Copy of the Intersected Pentagons)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	0.17 (-1.10, 1.44)	NS
Silveira, 2018	High	Cognition (Bensten Line Orientation)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-1.69 (-5.33, 1.95)	NS
Perez de la Cruz, 2017	High	UPDRS I ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	0.06 (-1.73, 1.85)	NS
Perez de la Cruz, 2017	High	UPDRS I ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Mean Difference	0.06 (-1.73, 1.85)	NS
Collett, 2017	Moderate	Non-motor symptoms questionnaire ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.6 (-0.51, 1.71)	NS
Collett, 2017	Moderate	Non-motor symptoms questionnaire ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.9 (-0.21, 2.01)	NS
Collett, 2017	Moderate	Fatigue (FSS (Fatigue Severity Scale))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.2 (-0.08, 0.48)	NS
Collett, 2017	Moderate	Fatigue (FSS (Fatigue Severity Scale))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.2 (-0.24, 0.64)	NS
Altmann, 2016	Moderate	UPDRS I ( )	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.2 (-1.15, 0.75)	NS
Altmann, 2016	Moderate	Cognition (DRS (Mattis Dementia Rating Scale))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0 (-3.30, 3.30)	NS
Altmann, 2016	Moderate	Depression (BDI)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-2.9 (-7.48, 1.68)	NS
Altmann, 2016	Moderate	Anxiety (BAI)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-4 (-11.84, 3.84)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Altmann, 2016	Moderate	Apathy Scale (Apathy Evaluation Scale)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.5 (-5.85, 4.85)	NS
Altmann, 2016	Moderate	Sleep (Pittsburgh Sleep Quality Index)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-2.7 (-5.31, -0.09)	**Aerobic exercise**
Altmann, 2016	Moderate	Cognition (Simple Attention (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	3 (-78.20, 84.20)	NS
Altmann, 2016	Moderate	Cognition (Simple Attention (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	132 (52.17, 211.83)	**Control (Usual care)**
Altmann, 2016	Moderate	Cognition (0-Back (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	79 (-14.10, 172.10)	NS
Altmann, 2016	Moderate	Cognition (0-Back (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	7 (-112.89, 126.89)	NS
Altmann, 2016	Moderate	Cognition (Stroop Test)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	48 (-28.72, 124.72)	NS
Altmann, 2016	Moderate	Cognition (Stroop Test)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-8 (-91.00, 75.00)	NS
Altmann, 2016	Moderate	Cognition (Stroop Test)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-61 (-174.12, 52.12)	NS
Altmann, 2016	Moderate	Cognition (Stroop Test)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-33 (-164.26, 98.26)	NS
Altmann, 2016	Moderate	Cognition (Digit Symbol Substitution (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-95 (-683.59, 493.59)	NS
Altmann, 2016	Moderate	Cognition (Digit Symbol Substitution (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	312 (-156.61, 780.61)	NS
Altmann, 2016	Moderate	Cognition (Digit Span Forward (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.045 (-0.18, 0.09)	NS
Altmann, 2016	Moderate	Cognition (Digit Span Forward (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.066 (-0.20, 0.07)	NS
Altmann, 2016	Moderate	Cognition (Digit Span Backward (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.062 (-0.10, 0.22)	NS
Altmann, 2016	Moderate	Cognition (Digit Span Backward (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.063 (-0.06, 0.19)	NS
Altmann, 2016	Moderate	Cognition (1-Back Accuracy (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.017 (-0.06, 0.03)	NS
Altmann, 2016	Moderate	Cognition (1-Back Accuracy (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.004 (-0.06, 0.06)	NS
Altmann, 2016	Moderate	Cognition (2-Back Accuracy (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.035 (-0.20, 0.13)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Altmann, 2016	Moderate	Cognition (2-Back Accuracy (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.027 (-0.19, 0.13)	NS
Altmann, 2016	Moderate	Cognition (Stroop Test)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	109 (0.39, 217.61)	**Control (Usual care)**
Altmann, 2016	Moderate	Cognition (Stroop Test)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	25 (-74.96, 124.96)	NS
Altmann, 2016	Moderate	Cognition (Operation Span (Accuracy) (Single task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.125 (-0.05, 0.30)	NS
Altmann, 2016	Moderate	Cognition (Operation Span (Accuracy) (Dual task))	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.151 (-0.02, 0.32)	NS
Altmann, 2016	Moderate	Cognition (Visual memory)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.074 (-0.04, 0.19)	NS
Altmann, 2016	Moderate	Cognition (Visual memory)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.081 (-0.05, 0.21)	NS
Altmann, 2016	Moderate	Cognition (Language)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.025 (-0.14, 0.09)	NS
Altmann, 2016	Moderate	Cognition (Language)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	0.03 (-0.11, 0.17)	NS
Altmann, 2016	Moderate	Cognition (Language)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.013 (-0.26, 0.23)	NS
Altmann, 2016	Moderate	Cognition (Language)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.012 (-0.27, 0.24)	NS
Altmann, 2016	Moderate	Cognition (Language)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.077 (-0.25, 0.09)	NS
Altmann, 2016	Moderate	Cognition (Language)	.	Aerobic exercise: 3x/week, 16 weeks	Control (Usual care)	Mean Difference	-0.014 (-0.18, 0.15)	NS
Cugusi, 2015	Moderate	Fatigue (PFS-16)	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-8.4 (-20.77, 3.97)	NS
Cugusi, 2015	Moderate	Depression (BDI-II)	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-5.2 (-13.77, 3.37)	NS
Cugusi, 2015	Moderate	Apathy Scale (SAS (Starkstein Apathy Scale))	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-7.1 (-18.44, 4.24)	NS
Cugusi, 2015	Moderate	Non-motor symptoms questionnaire ( )	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-19.2 (-39.43, 1.03)	NS
Fisher, 2008	High	UPDRS I (UPDRS I- Walking)	.	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.6 (-0.51, 1.71)	NS
Fisher, 2008	High	UPDRS I (UPDRS I- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Control (Zero Intensity Exercise): Six 1hr education classes; 8 weeks	Mean Difference	0.3 (-0.97, 1.57)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Fatigue (FSS (Fatigue Severity Scale))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0 (-0.71, 0.71)	NS
Coe, 2018	Moderate	UPDRS I (UPDRS I (Sleep problems))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	-0.2 (-0.84, 0.44)	NS
Coe, 2018	Moderate	UPDRS I (UPDRS I (Daytime sleepiness))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.2 (-0.23, 0.63)	NS
Sajatovic, 2017	Moderate	Depression (MADRS)	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-6.00(.,.)	NS
Sajatovic, 2017	Moderate	Depression (MADRS)	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-6.90(.,.)	NS
Sajatovic, 2017	Moderate	Cognition (MoCA)	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	1.90(.,.)	NS
Sajatovic, 2017	Moderate	Cognition (MoCA)	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	1.90(.,.)	NS
Sajatovic, 2017	Moderate	Anxiety (Covi Anxiety Scale)	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	0.80(.,.)	NS
Sajatovic, 2017	Moderate	Anxiety (Covi Anxiety Scale)	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	0.20(.,.)	NS
Sajatovic, 2017	Moderate	Apathy scale ( )	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	0.20(.,.)	NS
Sajatovic, 2017	Moderate	Apathy scale ( )	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	0.10(.,.)	NS
Sajatovic, 2017	Moderate	Sleep (SCOPA-Sleep (Night sleep))	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.60(.,.)	NS
Sajatovic, 2017	Moderate	Sleep (SCOPA-Sleep (Night sleep))	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	1.70(.,.)	NS
Sajatovic, 2017	Moderate	Sleep (SCOPA-Sleep (Daytime sleepiness))	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.70(.,.)	NS
Sajatovic, 2017	Moderate	Sleep (SCOPA-Sleep (Daytime sleepiness))	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.60(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sajatovic, 2017	Moderate	Sleep (SCOPA-Sleep (Overall sleep))	12 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.20(.,.)	NS
Sajatovic, 2017	Moderate	Sleep (SCOPA-Sleep (Overall sleep))	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	Author Reported	-0.40(.,.)	NS
Granziera, 2020	Moderate	Non-motor symptoms questionnaire ( )	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	53.70(.,.)	NS
Granziera, 2020	Moderate	Fatigue (PFS-16)	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	25.60(.,.)	NS
Granziera, 2020	Moderate	Depression (BDI)	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	10.40(.,.)	NS
Granziera, 2020	Moderate	Anxiety (HAM-A)	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	13.20(.,.)	NS
Biddiscombe, 2020	Moderate	Cognition (Cogstate Detection Task (reaction time))	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Cogstate One Back Task (reaction time))	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Tower of London Task (number of moves))	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (WCST (preservative errors))	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Multitasking ( )	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Learning new skills ( )	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Concentrating)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Making decisions)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Judging distances)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Memory)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Everyday cognitive ability)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Everyday cognitive ability)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Everyday cognitive ability)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Biddiscombe, 2020	Moderate	Cognition (Everyday cognitive ability)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Everyday cognitive ability)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Everyday cognitive ability)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Biddiscombe, 2020	Moderate	Cognition (Everyday cognitive ability)	.	Physical activity (Walking at comfortable pace): 30min, 4x/wk, 6 weeks	Control (Usual exercise): 6 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (Sleep efficiency)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (WASO (Wake after sleep onset))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (Total sleep time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (Sleep latency)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep ((-) N1 time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N1 %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N2 time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N2 %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N3 time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N3 %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (REM time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS

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Amara, 2020	Moderate	Sleep (REM %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (REM latency (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (Arousal index)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (AHI (events/hr))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (PLMS index)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (% REM with RWA)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (PVT mean RRT (Psychomotor vigilance task))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (PVT Lapses)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (PSQI (Pittsburgh Sleep Quality Index))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (ESS (Epworth Severity Scale))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Fatigue (FSS (Fatigue Severity Scale))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Apathy scale (Starkstein Apathy Scale)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Depression (BDI)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Cognition (MoCA)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	PANSAS (PANSAS Positive)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sacheli, 2019	Moderate	PANSAS (PANSAS Negative)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Cognition (TMT A)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Cognition (TMT B)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Sacheli, 2019	Moderate	Cognition (TMT B - TMT A)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Depression (HADS (Depression))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Anxiety (HADS (Anxiety))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Sleep (Scales for Outcomes in PD (Sleep, day))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Sleep (Scales for Outcomes in PD (Sleep, night))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Fatigue ( )	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Autonomic dysfunction (Scales for Outcomes in PD (Autonomic dysfunction, constipation questions))	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Cognition (TMT A)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Cognition (TMT B)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Cognition (Test of Attentional Performance)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Cognition (Test of Attentional Performance)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Cognition (Cognitive domain score)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Cognition (Cognitive domain score)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	Cognition (MoCA)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS I ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS I (MDS-UPDRS I)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2018	High	UPDRS I ( )	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS I (MDS-UPDRS I)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Khallaf, 2011	Moderate	Depression (HAM-D)	.	Moderate Aerobic Training (treadmill) + Conventional physiotherapy program: 3x/wk, 6 weeks (20min additional aerobic training)	Control (Conventional physiotherapy program alone): 3x/wk, 6 weeks	Author Reported	N/A	NS

Table 87: PICO 1a- Aerobic vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	Activity of intracellular antioxidant enzymes (SOD1 (ng/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-0.08 (-0.27, 0.11)	NS
Landers, 2019	High	Activity of intracellular antioxidant enzymes (SOD1 (ng/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-0.07 (-0.18, 0.04)	NS
Demonceau, 2017	Moderate	HR (bpm) ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	9 (-5.51, 23.51)	NS
Cugusi, 2015	Moderate	HR (bpm) (HR rest (bpm))	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-10 (-15.16, -4.84)	**Nordic Walking**
Cugusi, 2015	Moderate	Blood pressure (BP at rest (SBP))	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	0.9 (-8.13, 9.93)	NS
Cugusi, 2015	Moderate	Blood pressure (BP at rest (DBP))	.	Nordic Walking: 1hr, 2x/week, 12 weeks	Control (Usual care)	Mean Difference	-8.4 (-13.39, -3.41)	**Nordic Walking**
Yang, 2013	High	Cortical excitability (Motor threshold (Ipsilateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Cortical excitability (Motor threshold (Contralateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Cortical excitability (Silent period (Ipsilateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Cortical excitability (Silent period (Contralateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Cortical excitability (Short-latency intracortical inhibition (Ipsilateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Cortical excitability (Short-latency intracortical inhibition (Contralateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Cortical excitability (Long-latency intracortical inhibition (Ipsilateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Yang, 2013	High	Cortical excitability (Long-latency intracortical inhibition (Contralateral hemisphere relatively to more affected side))	.	Repetitive Transcranial Magnetic Stimulation (rTMS) & Treadmill Training: 30min, 3x/wk, 4 weeks	Sham rTMS & Treadmill Training: 30min, 3x/wk, 4 weeks	Author Reported	N/A	NS

Table 98: PICO 1a- Aerobic vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tollar, 2019	High	PDQ-39 ( )	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-0.6 (-1.08, -0.12)	**Agility Exergaming**
Tollar, 2019	High	PDQ-39 (PDQ-39 (Mobility))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.5 (-3.90, -1.10)	**Agility Exergaming**
Tollar, 2019	High	EQ-5D (EQ-5D (VAS))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	6.2 (2.38, 10.02)	**Agility Exergaming**
Tollar, 2019	High	EQ-5D (EQ5D (sum))	.	Agility Exergaming: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.7 (-3.55, -1.85)	**Agility Exergaming**
Tollar, 2019	High	PDQ-39 ( )	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-0.6 (-0.96, -0.24)	**Stationary Cycling**
Tollar, 2019	High	PDQ-39 (PDQ-39 (Mobility))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-3.1 (-4.88, -1.32)	**Stationary Cycling**
Tollar, 2019	High	EQ-5D (EQ-5D (VAS))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	4 (-0.24, 8.24)	NS
Tollar, 2019	High	EQ-5D (EQ5D (sum))	.	Stationary Cycling: 5x/week, 5 weeks	Control (No exercise)	Mean Difference	-2.1 (-3.12, -1.08)	**Stationary Cycling**
Cheng, 2017	High	PDQ-39 ( )	.	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-5 (-19.25, 9.25)	NS
Cheng, 2017	High	PDQ-39 ( )	1 mos	Curved-walking training (with turning-based treadmill): 30min/session, 12 sessions, 4-6 weeks	Control (General exercise): 30min/session, 12 sessions, 4-6 weeks	Mean Difference	-4.8 (-19.95, 10.35)	NS
Collett, 2017	Moderate	EQ-5D (EQ5D-5L (VAS))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	4 (-1.54, 9.54)	NS
Collett, 2017	Moderate	EQ-5D (EQ5D-5L (VAS))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	2 (-3.54, 7.54)	NS
Collett, 2017	Moderate	SF-36 (SF-36 PCS)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	1 (-4.54, 6.54)	NS
Collett, 2017	Moderate	SF-36 (SF-36 PCS)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	4 (-4.32, 12.32)	NS
Collett, 2017	Moderate	SF-36 (SF-36 MCS)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	2 (-3.54, 7.54)	NS
Collett, 2017	Moderate	SF-36 (SF-36 MCS)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	2 (-6.32, 10.32)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	3.75 (-9.77, 17.27)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.3 (-19.89, 19.29)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	6 (-6.01, 18.01)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	2 (-13.44, 17.44)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	10 (-4.13, 24.13)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	2 (-15.77, 19.77)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	5 (-7.01, 17.01)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	7 (-8.61, 22.61)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-17 (-34.00, 0.00)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-2.5 (-22.03, 17.03)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	9 (-6.66, 24.66)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	2 (-13.23, 17.23)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	4 (-34.29, 42.29)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0 (-29.70, 29.70)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	13 (-3.59, 29.59)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	1 (-18.62, 20.62)	NS
Demonceau, 2017	Moderate	PDQ-39 ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	8 (-1.86, 17.86)	NS
Demonceau, 2017	Moderate	PDQ-39 ( )	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	3 (-7.01, 13.01)	NS
Liao, 2015	Moderate	PDQ-39 ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	PDQ-39 ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.8 (-2.65, -0.95)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-2 (-2.94, -1.06)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3.9 (-4.96, -2.84)	**Supervised aerobic exercise**
Keus, 2007	Moderate	Patient preference outcome scale (PPOS) ( )	.	Individual Physiotherapy: 1-2x/wk, 10 weeks	Control (No physiotherapy)	Author Reported	N/A	NS
Keus, 2007	Moderate	PDQ-39 ( )	.	Individual Physiotherapy: 1-2x/wk, 10 weeks	Control (No physiotherapy)	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Mohammadpour, 2018	Moderate	PDQL (PDQL (Parkinson's symptoms))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	4.94(.,.)	**Combined exercise favored over Control**
Mohammadpour, 2018	Moderate	PDQL (PDQL (Systemic symptoms))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	6.97(.,.)	**Combined exercise favored over Control**
Mohammadpour, 2018	Moderate	PDQL (PDQL (Emotional functioning))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	4.45(.,.)	**Combined exercise favored over Control**
Mohammadpour, 2018	Moderate	PDQL (PDQL (Social functioning))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	5.76(.,.)	**Combined exercise favored over Control**
Coe, 2018	Moderate	EQ-5D (EQ5D-5L)	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	3.73 (-5.03, 12.49)	NS
Sajatovic, 2017	Moderate	Satisfaction (# of patients that found participation in program to be useful)	24 wks	EXCEED (Enhanced exercise therapy and CDSM): Exercise: 3x/week, 12 weeks; CDSM: 1hr, 1x/week, 12 weeks	Control (Traditional aquatic therapy): 40min, 5x/week, 6 weeks	RR	0.15(-0.04,0.35)	NS
Granziera, 2020	Moderate	PDQ-39 ( )	.	Nordic Walking program: 75min, 2x/wk, 8 weeks	Control (Walking program): 75min, 2x/wk, 8 weeks	Author Reported	27.70(.,.)	NS
Van der Kolk, 2019	High	PDQ-39 ( )	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS

Table 109: PICO 1a- Aerobic vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	IPAQ (IPAQ- vigorous (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	321.1 (-290.18, 932.38)	NS
Landers, 2019	High	IPAQ (IPAQ- vigorous (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	82.2 (-155.96, 320.36)	NS
Landers, 2019	High	IPAQ (IPAQ- moderate (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	192.8 (43.65, 341.95)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	IPAQ (IPAQ- moderate (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-9.5 (-467.30, 448.30)	NS
Landers, 2019	High	IPAQ (IPAQ- walk (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	427.8 (-468.08, 1323.68)	NS
Landers, 2019	High	IPAQ (IPAQ- walk (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	116.1 (-295.52, 527.72)	NS
Landers, 2019	High	IPAQ (IPAQ- sit (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	88.6 (-80.29, 257.49)	NS
Landers, 2019	High	IPAQ (IPAQ- sit (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	60 (-160.39, 280.39)	NS
Collett, 2017	Moderate	PASE ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	-2 (-18.63, 14.63)	NS
Collett, 2017	Moderate	PASE ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	-4 (-22.07, 14.07)	NS
Demonceau, 2017	Moderate	PASS ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.1 (-0.95, 0.75)	NS
Demonceau, 2017	Moderate	PASS ( )	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.1 (-1.03, 1.23)	NS
Coe, 2018	Moderate	Activity level (Sedentary activity level (08.00-20.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Activity level (Light activity level (08.00-20.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (08.00-20.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Vigorous activity level (08.00-20.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Sedentary activity level (20.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Light activity level (20.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (20.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Vigorous activity level (20.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Sedentary activity level (24.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Light activity level (24.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (24.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Vigorous activity level (24.00-08.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Sedentary activity level (20.00-24.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Light activity level (20.00-24.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (20.00-24.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Activity level (Vigorous activity level (20.00-24.00 hrs))	.	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported - MW U test; specific p-val not reported	N/A	NS

Table 1110: PICO 1a- Aerobic vs. Control- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	VO2 (Aerobic (VO2max to L/min))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.08 (-0.06, 0.22)	NS
Collett, 2017	Moderate	VO2 (Aerobic (VO2max to L/min))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Mean Difference	0.04 (-0.11, 0.19)	NS
Demonceau, 2017	Moderate	VO2 (VO2 peak)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	3.4 (-1.25, 8.05)	NS
Demonceau, 2017	Moderate	Respiratory exchange ratio ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.04 (-0.01, 0.09)	NS
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.1 (-1.31, -0.89)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.5 (-0.71, -0.29)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.4 (-1.61, -1.19)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.2 (0.11, 0.29)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.1 (-0.19, -0.01)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.1 (0.01, 0.19)	**Control (Home-based exercise)**
Sacheli, 2019	Moderate	VO2 (VO2 max)	.	Aerobic exercise (Cycling): 40-60min, 3x/wk, 3 months	Control (Stretching): 3x/wk, 3 months	Author Reported	N/A	NS
Van der Kolk, 2019	High	VO2 (VO2 max)	6 mos	Aerobic exercise (Stationary home-trainer): 30-45min, 3x/wk, 6 months	Active control (Stretching): 30-45min, 3x/wk, 6 months	Author Reported	N/A	NS
Schenkman, 2018	High	VO2 (VO2 max)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS
Schenkman, 2018	High	VO2 (VO2 max)	6 mos	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Wait-list Control (Usual care)	Author Reported	N/A	NS

Figure 1: Meta-analysis- Walk Test (6mos)

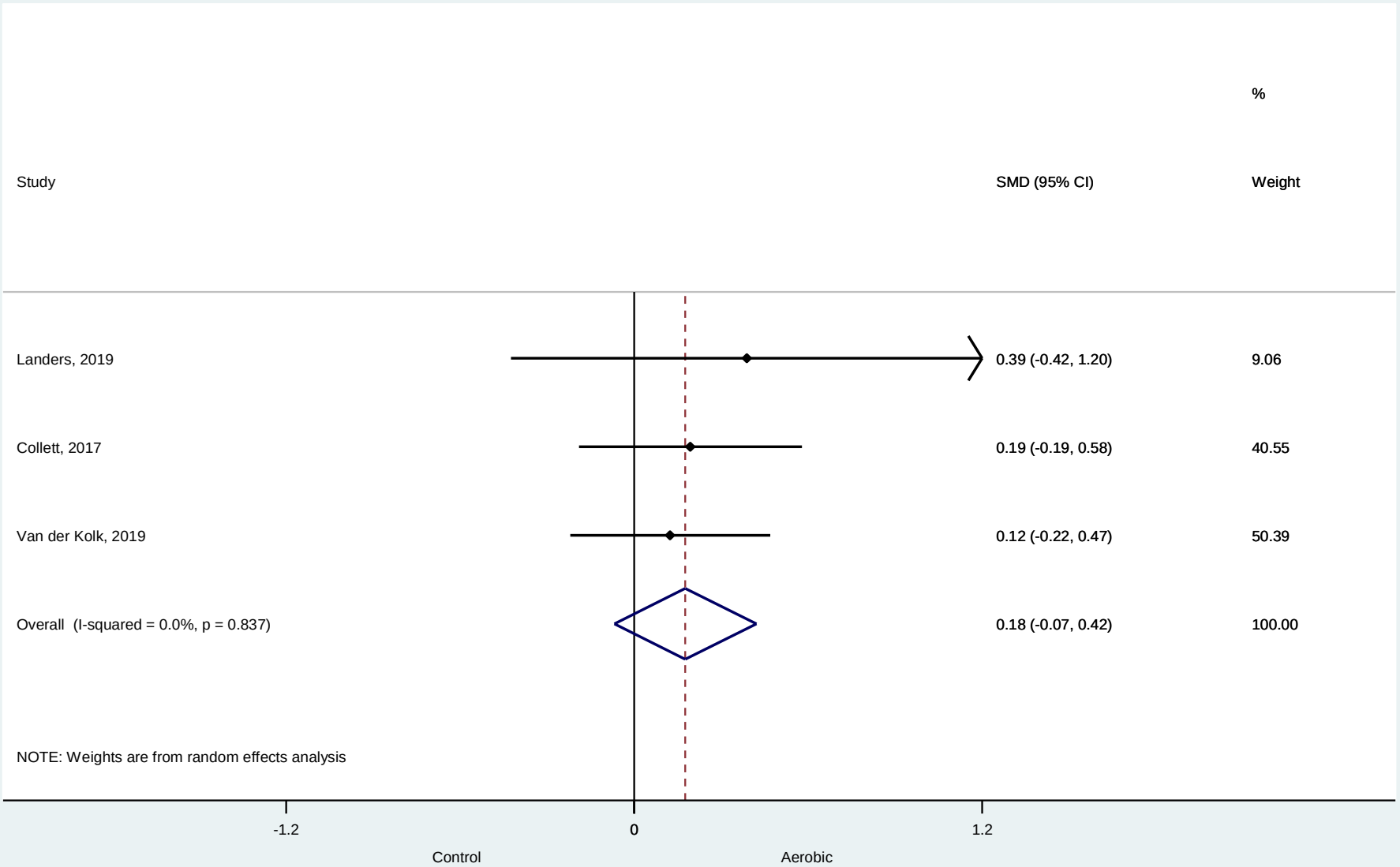


Figure 2: Meta-analysis- Sit-to-Stand (post)

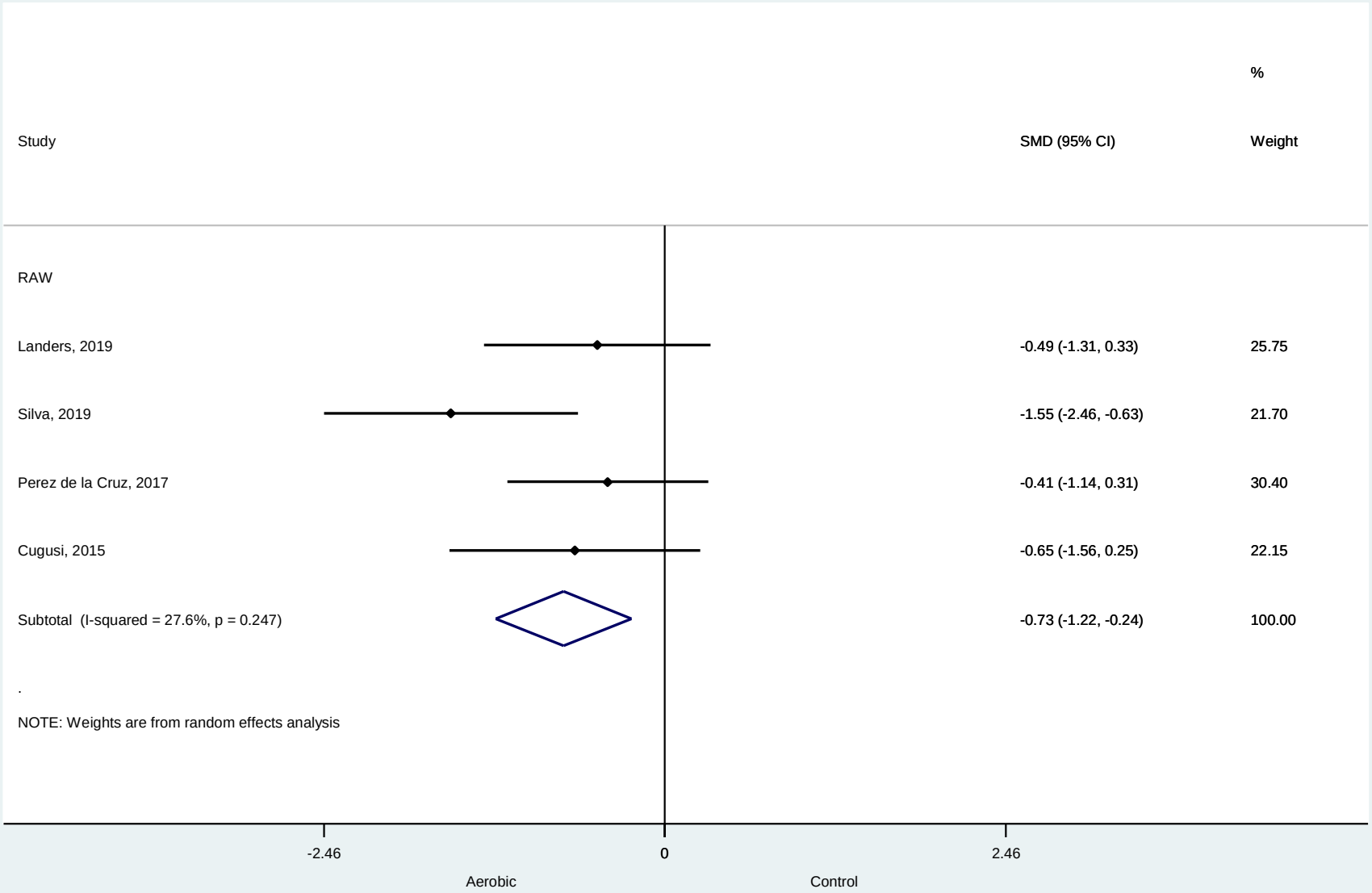


Figure 3: Meta-analysis- TUG (post)

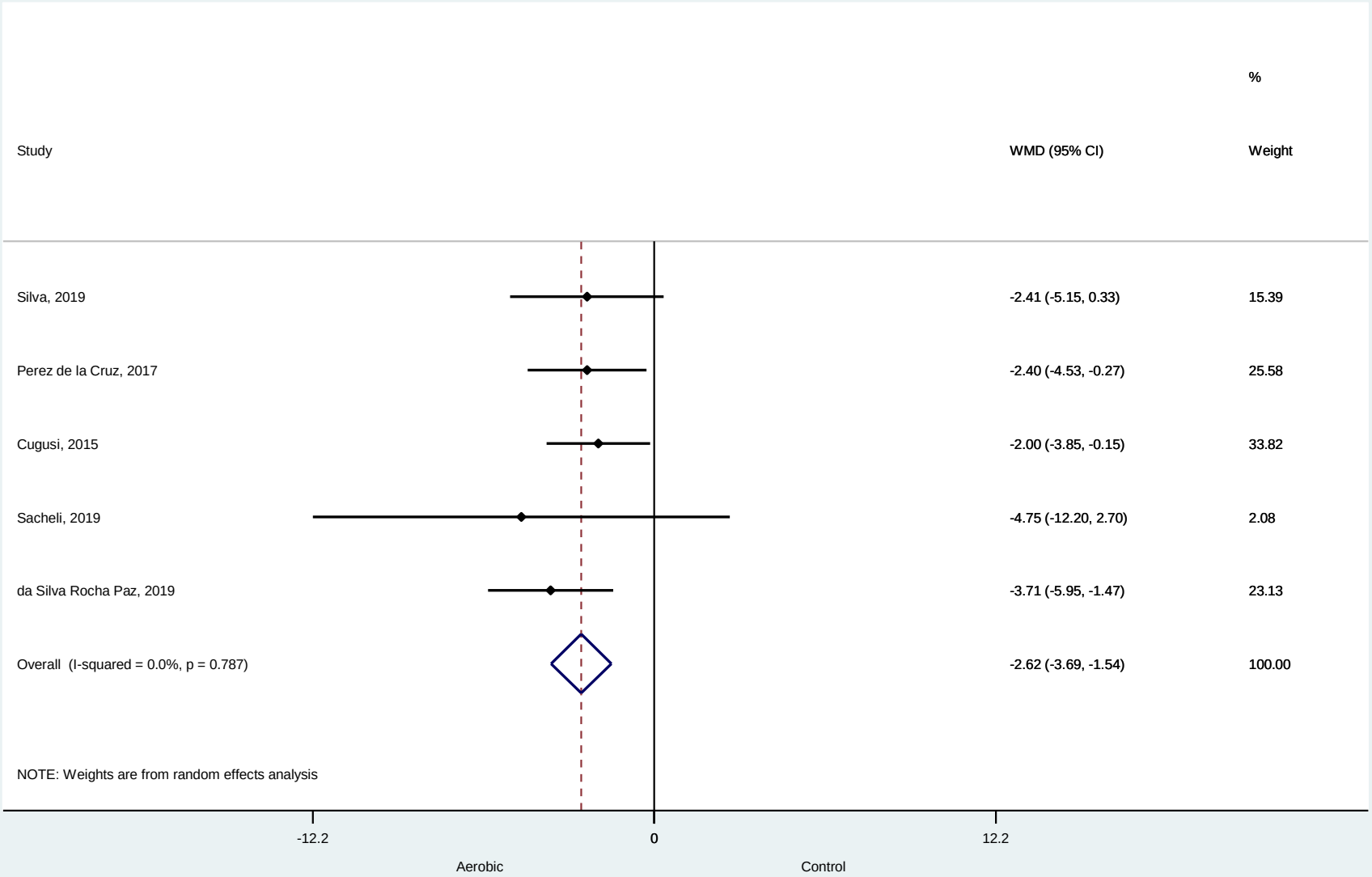


Figure 4: Meta-analysis- Gait velocity (post)

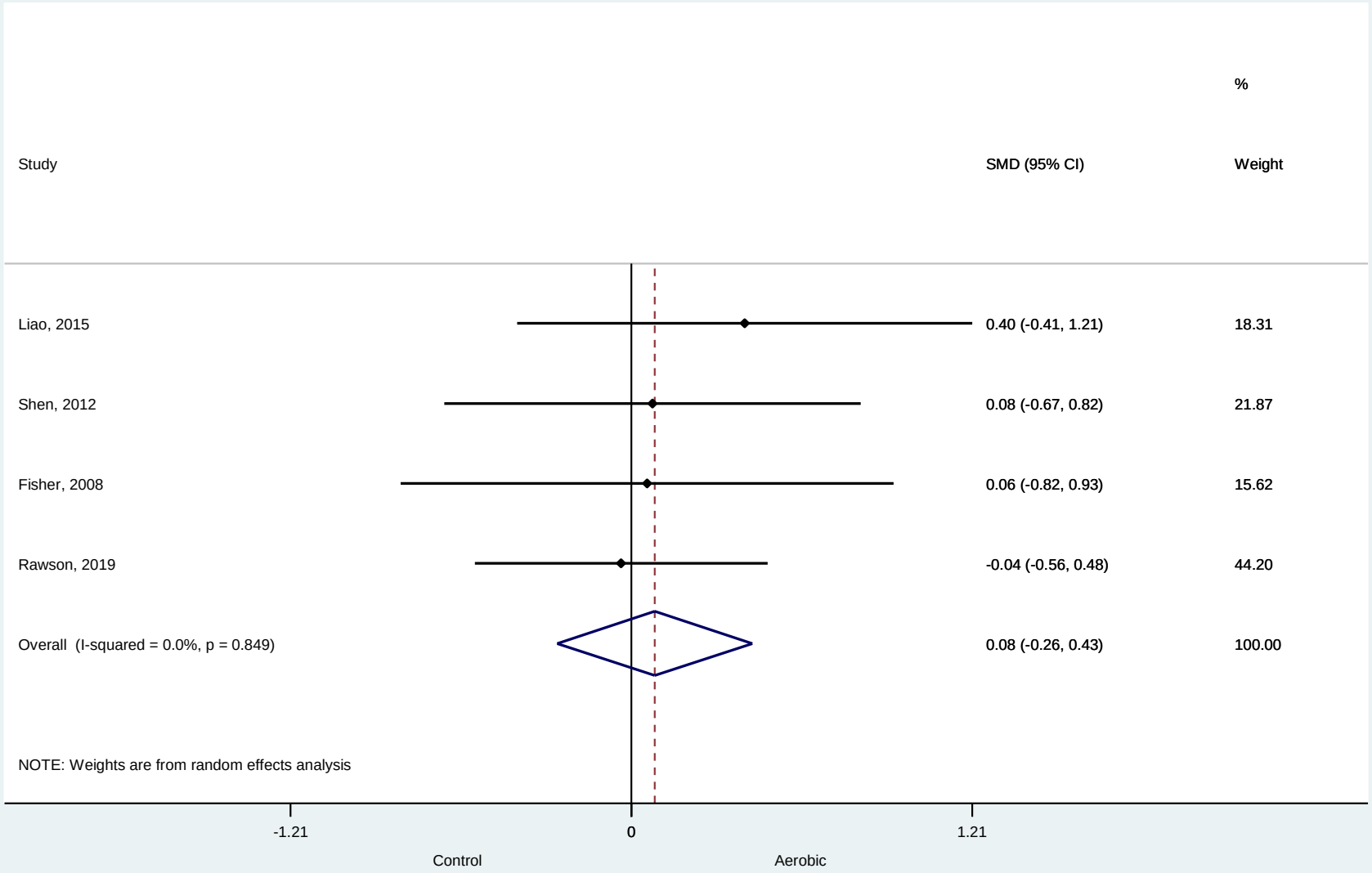


Figure 5: Meta-analysis- Fatigue (post)

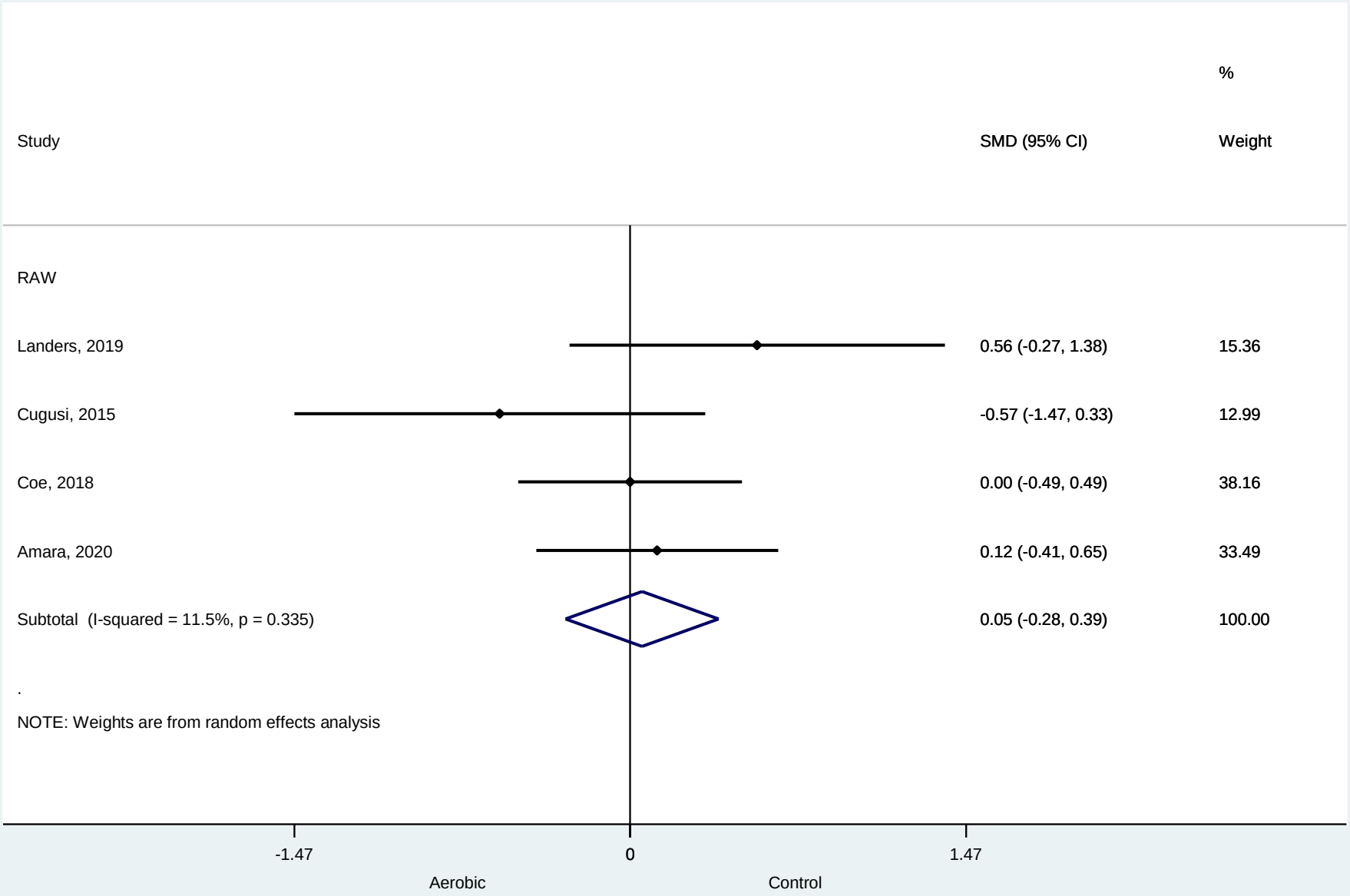


Figure 6: Meta-analysis- Apathy (post)

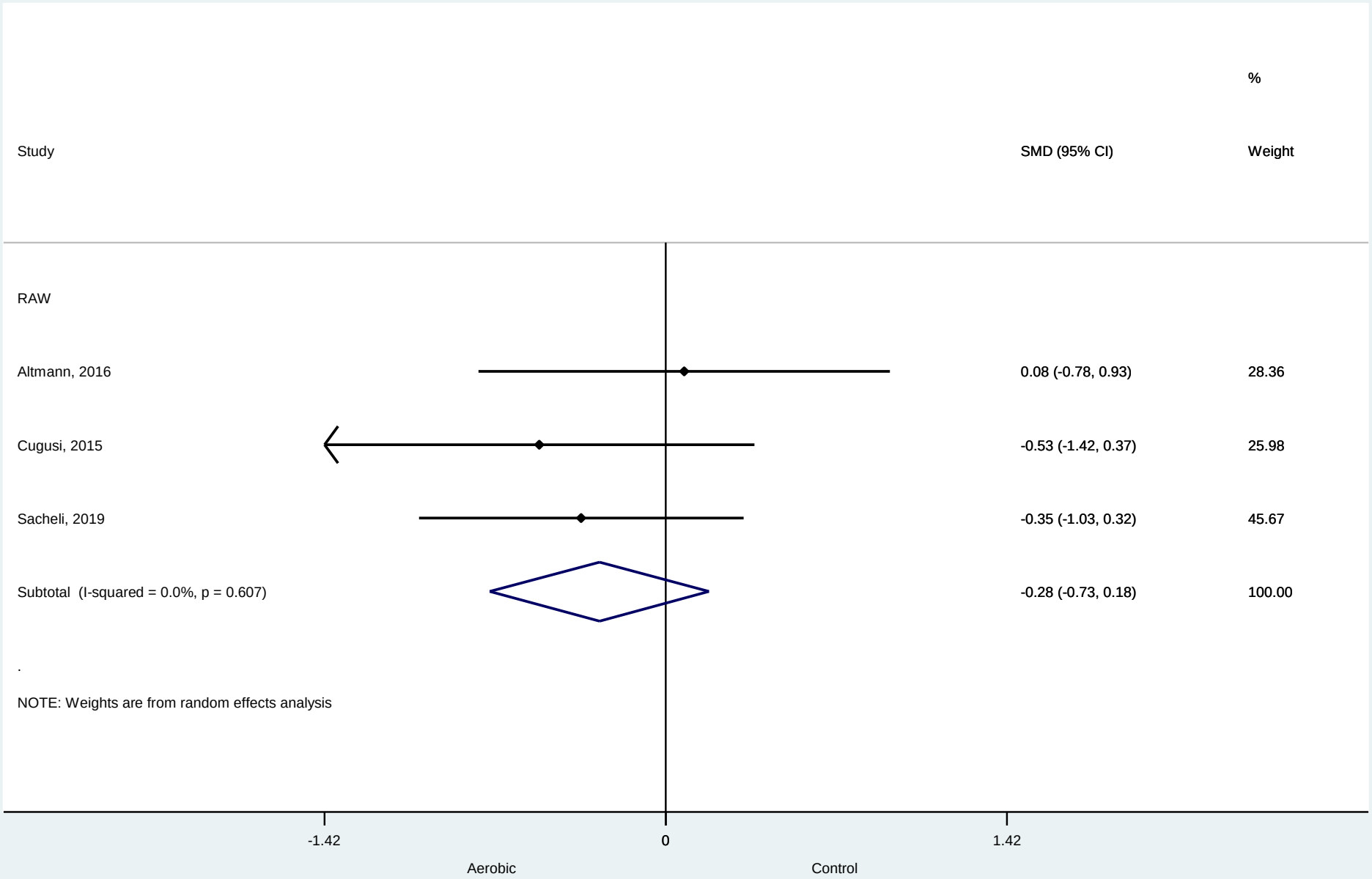


Figure 7: Meta-analysis- UPDRS III (post)

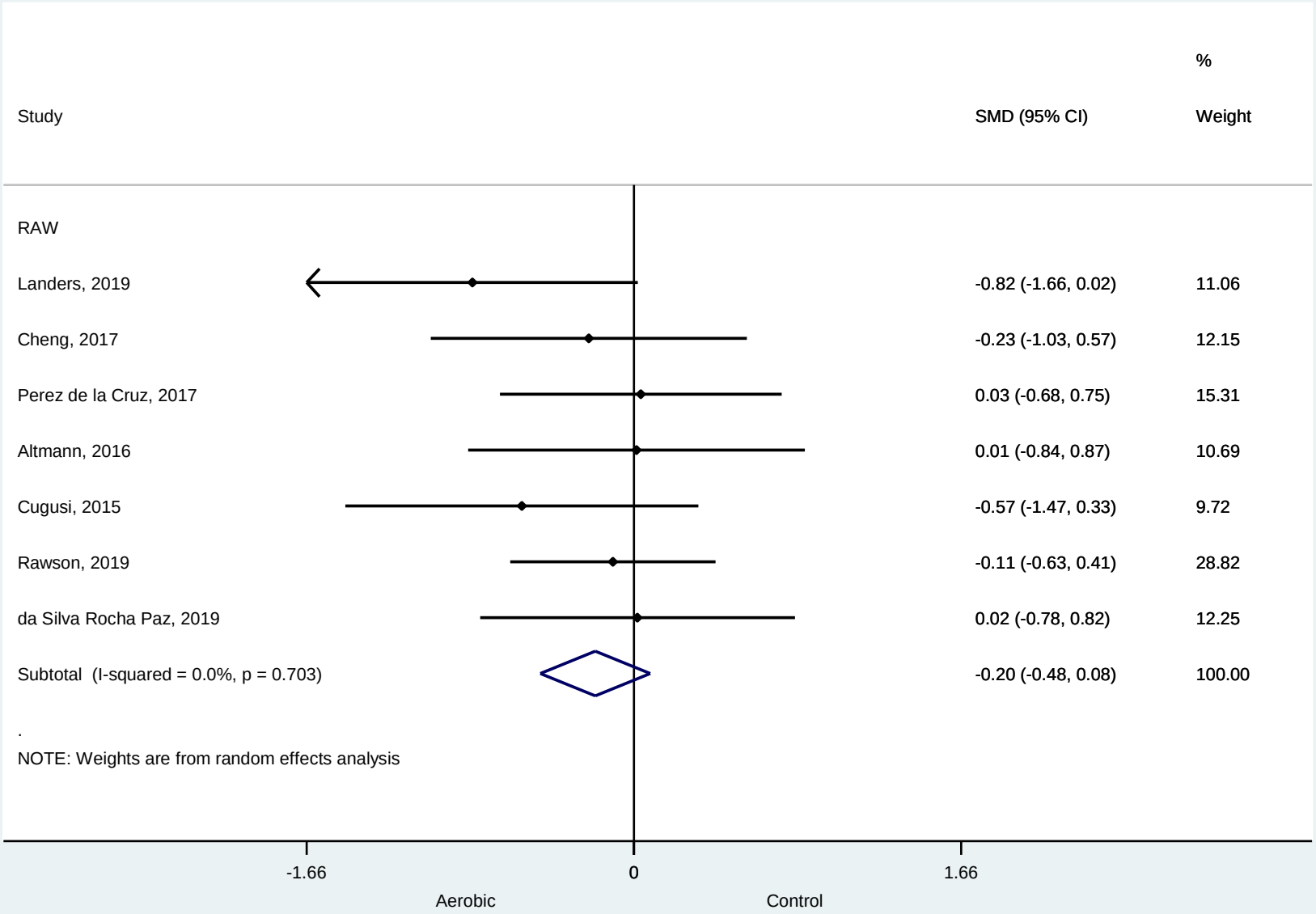


Figure 8: Meta-analysis- UPDRS Total (post)

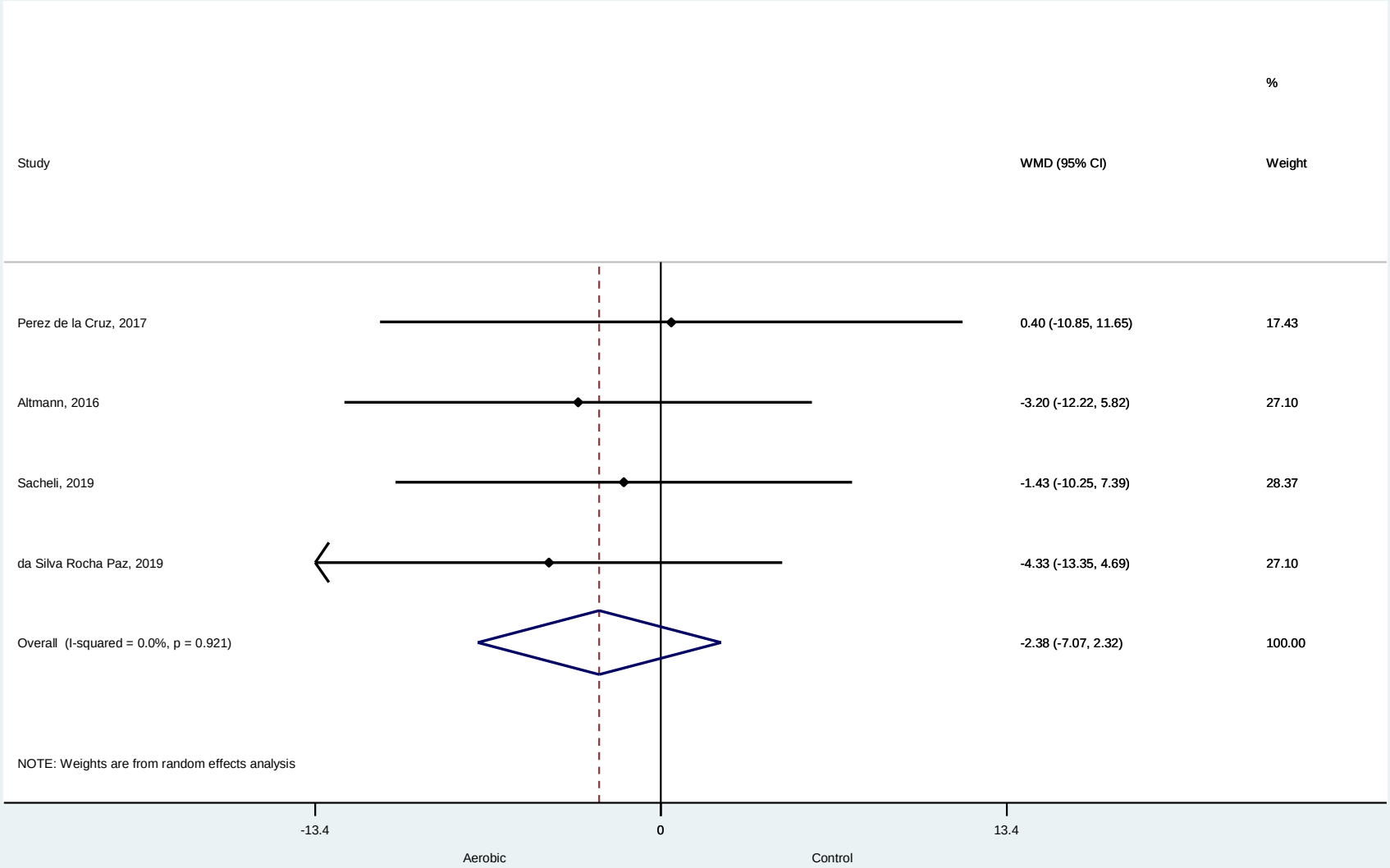


Figure 9: Meta-ananalysis- Fall Fear/Risk (post)

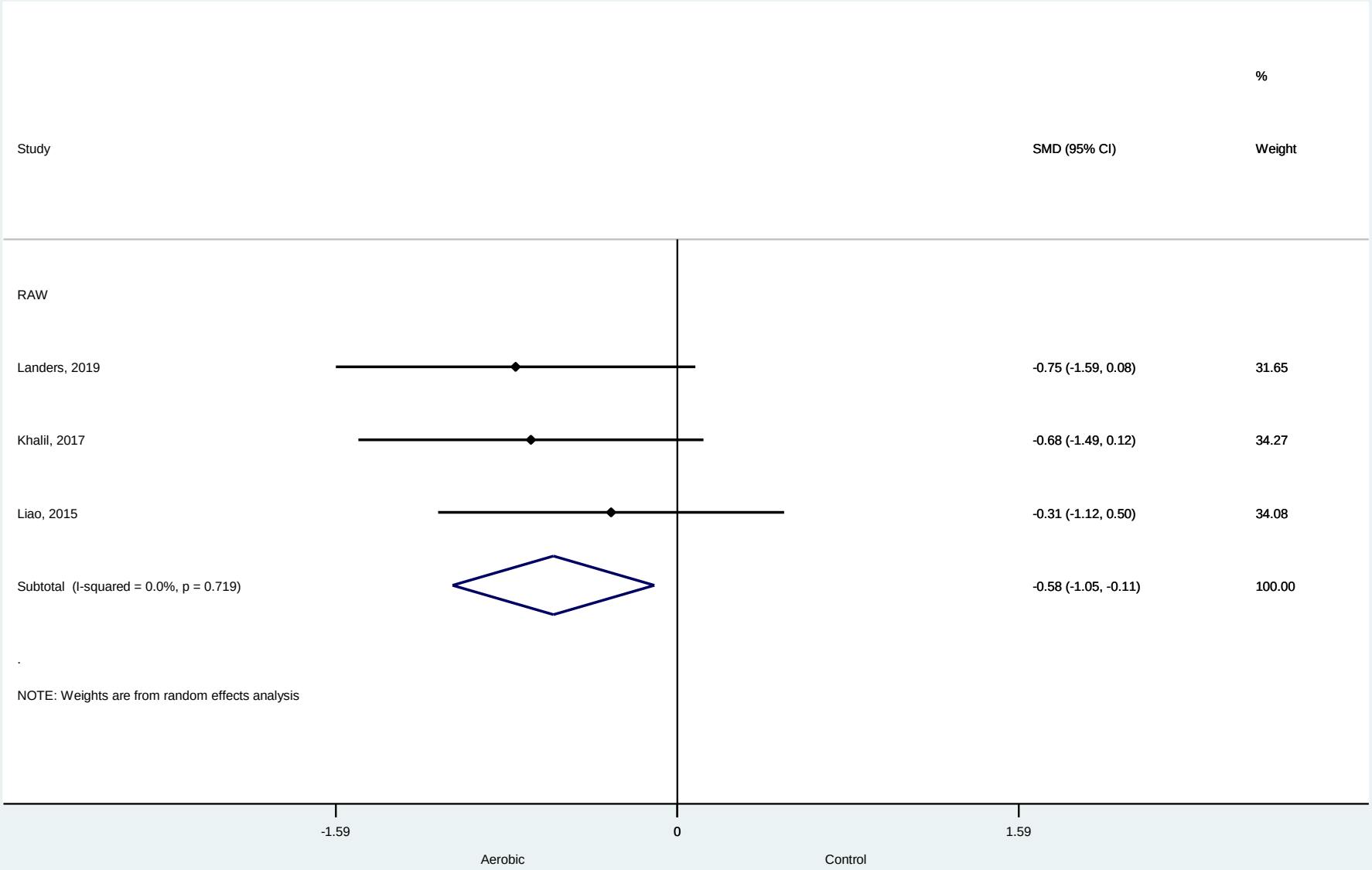


Figure 10: Meta-analysis- PDQ-39 (post)

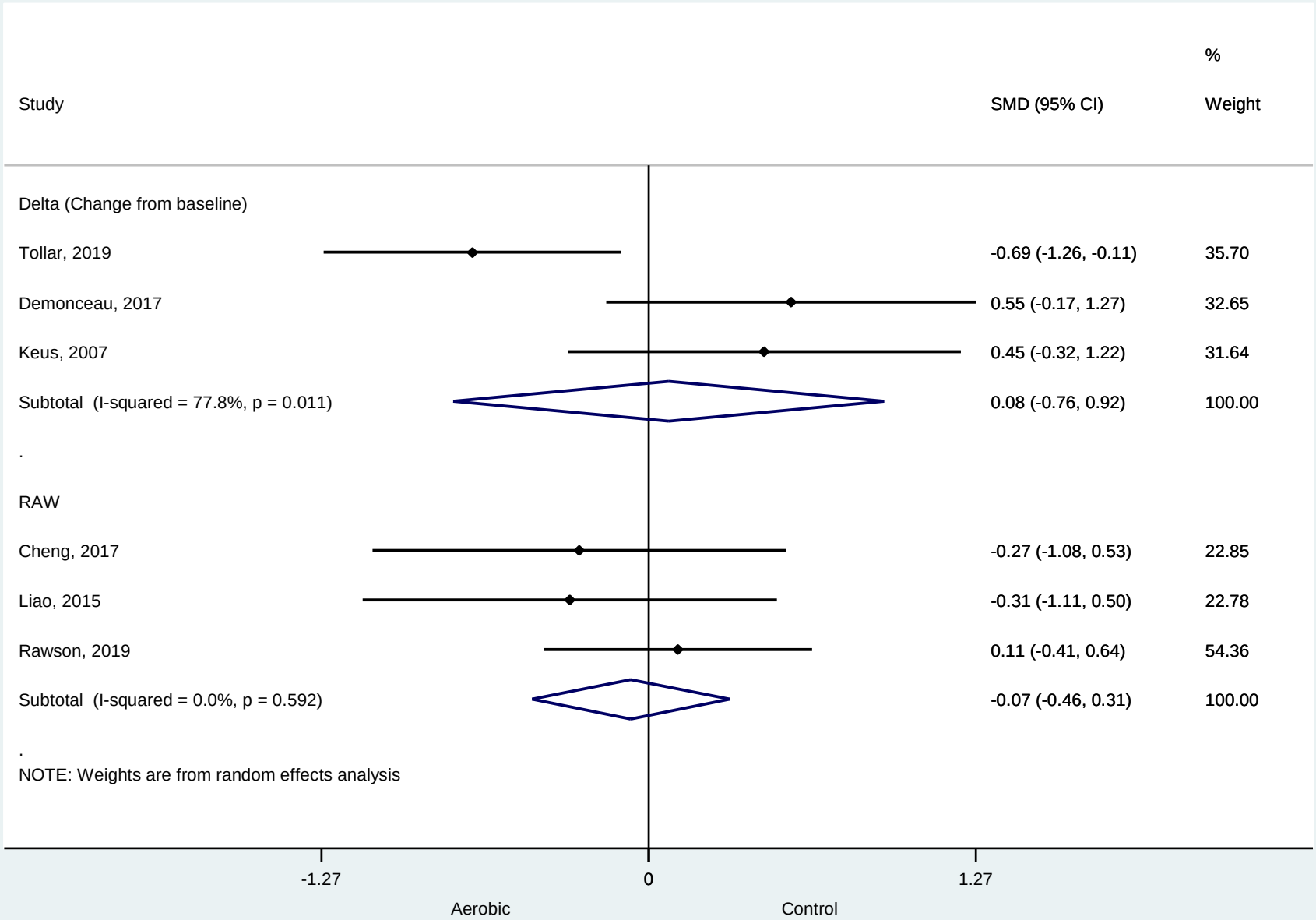


Table 1211: PICO 1b- Aerobic vs. Other- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Adherence to program ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	2.3 (-1.22, 5.82)	NS

Table 1312: PICO 1b- Aerobic vs. Other- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Adverse events (Total adverse events)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	RR	0.67(0.27,1.66)	NS

Table 1413: PICO 1b- Aerobic vs. Other- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	VO2 (VO2 peak)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	4.8 (-0.67, 10.27)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak work load (w/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.3 (-0.21, 0.81)	NS
Demonceau, 2017	Moderate	Respiratory exchange ratio ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.01 (-0.08, 0.06)	NS
Shulman, 2013	Moderate	VO2 (VO2 peak)	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-0.5 (-1.06, 0.06)	NS
Shulman, 2013	Moderate	VO2 (VO2 peak)	.	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	2.22 (1.50, 2.94)	**LIT (Low intensity treadmill training)**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.1 (-1.31, -0.89)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.3 (-1.51, -1.09)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.7 (-1.93, -1.47)	**Supervised aerobic exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0 (-0.09, 0.09)	NS
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.1 (0.01, 0.19)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0 (-0.09, 0.09)	NS
Burini, 2006	High	VO2 (VO2 rest)	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	VO2 (VO2 rest)	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	VO2 (VO2 rest)	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	VO2 (VO2 peak)	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	VO2 (VO2 peak)	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	VO2 (VO2 peak)	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Ventilation (Ventilation rest)	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Ventilation (Ventilation rest)	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	Ventilation (Ventilation rest)	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Ventilation (Ventilation peak)	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Ventilation (Ventilation peak)	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	Ventilation (Ventilation peak)	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Respiratory exchange ratio (Respiratory exchange ratio peak)	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Respiratory exchange ratio (Respiratory exchange ratio peak)	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	Respiratory exchange ratio (Respiratory exchange ratio peak)	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	VO2 (VO2/kg rate)	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	VO2 (VO2/kg rate)	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	VO2 (VO2/kg rate)	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Table 1514: PICO 1b- Aerobic vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	UPDRS III ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.8 (-2.50, -1.10)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.8 (-1.53, -0.07)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.8 (-2.62, -0.98)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.7 (-2.61, -0.79)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.8 (-2.83, -0.77)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.2 (-2.32, -0.08)	**Supervised aerobic exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2010	Moderate	UPDRS III ( )	16 wks	Nordic Walking: 1hr, 2x/wk, 8 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS

Table 1615: PICO 1b- Aerobic vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (More affected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.016 (-0.30, 0.27)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (Less affected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.085 (-0.27, 0.44)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee extension (Sum) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.067 (-0.55, 0.68)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (More afffected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0 (-0.16, 0.16)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (Less affected side) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.003 (-0.19, 0.18)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee flexion (Sum) (Nm/kg))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.002 (-0.35, 0.34)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Gait speed (Speed (m/s))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.1 (-0.01, 0.21)	NS
Demonceau, 2017	Moderate	Stride (Stride length)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.09 (-0.01, 0.19)	NS
Demonceau, 2017	Moderate	Step (Cadence)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0 (-0.05, 0.05)	NS
Demonceau, 2017	Moderate	Mobility (TUG)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.1 (-0.28, 0.08)	NS
Demonceau, 2017	Moderate	Walk test (6MWT (m))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	49 (-19.98, 117.98)	NS
Shujaat, 2014	Moderate	ROM (Cervical spine rotation (left))	.	Kayaking exercises: 75min, 6x/week, 4 weeks	Strengthening exercises: 75min, 6x/week, 4 weeks	Mean Difference	-0.33 (-5.81, 5.15)	NS
Shujaat, 2014	Moderate	ROM (Cervical spine rotation (right))	.	Kayaking exercises: 75min, 6x/week, 4 weeks	Strengthening exercises: 75min, 6x/week, 4 weeks	Mean Difference	3.75 (-2.38, 9.88)	NS
Shujaat, 2014	Moderate	ROM (Thoracolumbar spine rotation (left))	.	Kayaking exercises: 75min, 6x/week, 4 weeks	Strengthening exercises: 75min, 6x/week, 4 weeks	Mean Difference	1.29 (-0.74, 3.32)	NS
Shujaat, 2014	Moderate	ROM (Thoracolumbar spine rotation (right))	.	Kayaking exercises: 75min, 6x/week, 4 weeks	Strengthening exercises: 75min, 6x/week, 4 weeks	Mean Difference	1.5 (-1.09, 4.09)	NS
Shujaat, 2014	Moderate	Parkinson Activity Scale (MPAS IIIA)	.	Kayaking exercises: 75min, 6x/week, 4 weeks	Strengthening exercises: 75min, 6x/week, 4 weeks	Mean Difference	0.33 (-1.40, 2.06)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shujaat, 2014	Moderate	Parkinson Activity Scale (MPAS IIIB)	.	Kayaking exercises: 75min, 6x/week, 4 weeks	Strengthening exercises: 75min, 6x/week, 4 weeks	Mean Difference	0.41 (-1.86, 2.68)	NS
Shulman, 2013	Moderate	Walk test (6MWT (ft))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-51.2 (-96.24, -6.16)	**Strength and resistance training**
Shulman, 2013	Moderate	Walk test (10MWT (Comfortable pace) (sec))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	0.11 (-0.28, 0.50)	NS
Shulman, 2013	Moderate	Walk test (10MWT (Fast pace) (sec))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	0.25 (-0.02, 0.52)	NS
Shulman, 2013	Moderate	Mobility (50 ft Fast Pace (sec))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	0.43 (-0.07, 0.93)	NS
Shulman, 2013	Moderate	Strength/Power (Leg press (lbs))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-174.34 (-218.31, -130.37)	**Strength and resistance training**
Shulman, 2013	Moderate	ROM (Leg extension (lbs))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-28.52 (-41.60, -15.44)	**Strength and resistance training**
Shulman, 2013	Moderate	Walk test (6MWT (ft))	.	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	105.3 (43.14, 167.46)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Walk test (10MWT (Comfortable pace) (sec))	.	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-0.8 (-1.16, -0.44)	**LIT (Low intensity treadmill training)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shulman, 2013	Moderate	Walk test (10MWT (Fast pace) (sec))	.	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-0.23 (-0.50, 0.04)	NS
Shulman, 2013	Moderate	Mobility (50 ft Fast Pace (sec))	.	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-0.75 (-1.22, -0.28)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Strength/Power (Leg press (lbs))	.	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	-63.9 (-116.27, -11.53)	**Strength and resistance training**
Shulman, 2013	Moderate	ROM (Leg extension (lbs))	.	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Strength and resistance training: 3x/week, 3 months	Mean Difference	0.4 (-13.15, 13.95)	NS
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-3.1 (-4.11, -2.09)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1 (-0.10, 2.10)	NS
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-2.4 (-3.52, -1.28)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.6 (0.37, 0.83)	**Supervised aerobic exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.2 (-0.03, 0.43)	NS
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.2 (-0.03, 0.43)	NS
Schenkman, 2012	Moderate	UPDRS II ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.2 (-0.13, 0.53)	NS
Schenkman, 2012	Moderate	UPDRS II ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.9 (-1.27, -0.53)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.2 (-0.17, 0.57)	NS
Ebersbach, 2010	Moderate	Mobility (TUG)	16 wks	Nordic Walking: 1hr, 2x/wk, 8 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS
Ebersbach, 2010	Moderate	Walk test (10MWT time)	16 wks	Nordic Walking: 1hr, 2x/wk, 8 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	Walk test (6MWT (m))	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Walk test (6MWT (m))	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	Walk test (6MWT (m))	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Table 1716: PICO 1b- Aerobic vs. Other- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Digit Span Forward)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.46 (-1.84, 0.92)	NS
Silveira, 2018	High	Cognition (Digit Span Backward)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.23 (-1.57, 1.11)	NS
Silveira, 2018	High	Cognition (CBTT (Corsi's block-tapping test))	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.19 (-0.94, 0.56)	NS
Silveira, 2018	High	Cognition (TMT A)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-8.35 (-16.03, -0.67)	**Aerobic training (Cycle ergometers)**
Silveira, 2018	High	Cognition (TMT B)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-71.29 (-131.49, -11.09)	**Aerobic training (Cycle ergometers)**
Silveira, 2018	High	Cognition (Stroop Word)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	2.41 (-9.77, 14.59)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Stroop Color Naming)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.51 (-10.14, 9.12)	NS
Silveira, 2018	High	Cognition (Stroop Color-Word)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	4.15 (-2.95, 11.25)	NS
Silveira, 2018	High	Cognition (CVLT short recall)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.43 (-1.69, 0.83)	NS
Silveira, 2018	High	Cognition (CVLT long recall)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.51 (-1.88, 0.86)	NS
Silveira, 2018	High	Cognition (Rey-O short recall)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	1.57 (-2.95, 6.09)	NS
Silveira, 2018	High	Cognition (Rey-O long recall)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	1.86 (-2.86, 6.58)	NS
Silveira, 2018	High	Cognition (Phonemic Fluency)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.93 (-3.84, 1.98)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Semantic Fluency)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.52 (-2.89, 1.85)	NS
Silveira, 2018	High	Cognition (Boston Naming Test)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	-0.5 (-1.59, 0.59)	NS
Silveira, 2018	High	Cognition (Copy of the Intersected Pentagons)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	0.24 (-1.01, 1.49)	NS
Silveira, 2018	High	Cognition (Bensten Line Orientation)	.	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Mean Difference	0.06 (-3.01, 3.13)	NS

Table 1817: PICO 1b- Aerobic vs. Other- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	HR (bpm) ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	5 (-10.23, 20.23)	NS
Burini, 2006	High	HR (bpm) (HR rest (bpm))	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	HR (bpm) (HR rest (bpm))	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	HR (bpm) (HR rest (bpm))	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	HR (bpm) (HR peak (bpm))	7 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS
Burini, 2006	High	HR (bpm) (HR peak (bpm))	15 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burini, 2006	High	HR (bpm) (HR peak (bpm))	22 wks	Aerobic training (cycle ergometer) + Qigong (Medical Chinese exercise-stretching/balance training): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Qigong (Medical Chinese exercise-stretching/balance training) + Aerobic training (cycle ergometer): Each intervention: 45-50min, 3x/wk, 7 weeks (20 sessions each, 2 month interval b/w interventions)	Author Reported	N/A	NS

Table 1918: PICO 1b- Aerobic vs. Other- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-3.75 (-22.50, 15.00)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-16.3 (-49.28, 16.68)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	5 (-7.68, 17.68)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-7 (-25.85, 11.85)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	15 (4.15, 25.85)	**Strength training**
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	27 (16.25, 37.75)	**Strength training**
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	2 (-9.70, 13.70)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	7 (-4.32, 18.32)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0 (0.00, 0.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	12.5 (0.00, 25.00)	**Strength training**
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	10 (-6.27, 26.27)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-4 (-21.54, 13.54)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	4 (-34.29, 42.29)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-29 (-83.23, 25.23)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	13 (-1.83, 27.83)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-3 (-19.92, 13.92)	NS
Demonceau, 2017	Moderate	PDQ-39 (% change between pre- and post-training evaluations)	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	8 (-0.16, 16.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (% change between pre- and post-training evaluations)	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-5 (-15.28, 5.28)	NS
Demonceau, 2017	Moderate	Attendance ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.3 (-3.57, 4.17)	NS
Schenkman, 2012	Moderate	PDQ-39 ( )	4 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-3.9 (-4.74, -3.06)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	10 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.1 (0.19, 2.01)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	16 mos	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.1 (-1.13, 0.93)	NS
Ebersbach, 2010	Moderate	PDQ-39 ( )	16 wks	Nordic Walking: 1hr, 2x/wk, 8 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS

Table 2019: PICO 1b- Aerobic vs. Other- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PASS ( )	.	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.5 (-0.45, 1.45)	NS
Demonceau, 2017	Moderate	PASS ( )	1 yrs	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Strength training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.4 (-1.30, 2.10)	NS

Table 2120: PICO 1c- Aerobic vs. Aerobic- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atan, 2019	High	Sessions completed ( )	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	3.4 (-1.87, 8.67)	NS
Atan, 2019	High	Sessions completed ( )	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	1.1 (-4.89, 7.09)	NS
Atan, 2019	High	Fatigue (FSS (Fatigue Severity Scale))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-2.3 (-8.90, 4.30)	NS
Ridgel, 2016	High	Attendance (Number of sessions attended)	12 wks	EXCEED (Enhanced Exercise Therapy- Psychoeducation, Peer education/support, Manualized group exercise(High cadence cycling and Resistance training): 45-60min, 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	SGE (Self-guided exercise therapy- Psychoeducation, Self-guided exercise manual, free fitness access, Continuing exercise manual (High cadence cycling and Resistance training)): 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	Author Reported	N/A	NS

Table 2221: PICO 1c- Aerobic vs. Aerobic- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2018	High	Adverse events (Adverse events related to exercise (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Adverse events related to exercise: Severity greater than mild (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Falls (Falls (number))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Falls (Falls: Severity greater than mild (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Pain (Pain in extremity (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Pain (Pain: Severity greater than mild (# of patients))	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Musculoskeletal and connective tissue disorders)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Musculoskeletal and connective tissue disorders)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Injury, poisoning, procedural complications)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Injury, poisoning, procedural complications: Severity greater than mild)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Adverse events (Infections & Infestations)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Infections & Infestations: Severity greater than mild)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Serious adverse events: GI tract disorders)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS
Schenkman, 2018	High	Serious adverse events (Serious adverse events: Renal and urinary tract disorders)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	RD	.(.,.)	NS

Table 2322: PICO 1c- Aerobic vs. Aerobic- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atan, 2019	High	UPDRS III ( )	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	4.5 (-0.45, 9.45)	NS
Atan, 2019	High	UPDRS III ( )	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	8.1 (3.78, 12.42)	**0% Body weight-supported treadmill training**
Atan, 2019	High	UPDRS III ( )	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	3.6 (-0.67, 7.87)	NS
Arcolin, 2015	High	UPDRS III ( )	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	-2.3 (-9.29, 4.69)	NS
Palamara, 2017	High	UPDRS III ( )	.	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	-1.7 (-4.70, 1.30)	NS
Palamara, 2017	High	UPDRS III ( )	6 mos	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	-1.6 (-5.47, 2.27)	NS
Trigueiro, 2017	High	UPDRS III ( )	.	Treadmill (5% load): 30min, 3x/week, 4 weeks	Treadmill (0% load): 30min, 3x/week, 4 weeks	Mean Difference	7 (-3.41, 17.41)	NS
Trigueiro, 2017	High	UPDRS III (UPDRS III (Postural Instability- Pull test score))	.	Treadmill (5% load): 30min, 3x/week, 4 weeks	Treadmill (0% load): 30min, 3x/week, 4 weeks	Mean Difference	-0.1 (-0.77, 0.57)	NS
Trigueiro, 2017	High	UPDRS III ( )	.	Treadmill (10% load): 30min, 3x/week, 4 weeks	Treadmill (0% load): 30min, 3x/week, 4 weeks	Mean Difference	2.4 (-7.25, 12.05)	NS
Trigueiro, 2017	High	UPDRS III (UPDRS III (Postural Instability- Pull test score))	.	Treadmill (10% load): 30min, 3x/week, 4 weeks	Treadmill (0% load): 30min, 3x/week, 4 weeks	Mean Difference	0 (-0.69, 0.69)	NS
Trigueiro, 2017	High	UPDRS III ( )	.	Treadmill (10% load): 30min, 3x/week, 4 weeks	Treadmill (5% load): 30min, 3x/week, 4 weeks	Mean Difference	-4.6 (-16.49, 7.29)	NS
Trigueiro, 2017	High	UPDRS III (UPDRS III (Postural Instability- Pull test score))	.	Treadmill (10% load): 30min, 3x/week, 4 weeks	Treadmill (5% load): 30min, 3x/week, 4 weeks	Mean Difference	0.1 (-0.69, 0.89)	NS
Bang, 2017	Moderate	Hoehn-Yahr scale ( )	.	Nordic walking training: 1hr, 5x/week, 4 weeks	Treadmill training: 1hr, 5x/week, 4 weeks	Mean Difference	-0.49 (-1.05, 0.07)	NS
Bang, 2017	Moderate	UPDRS III ( )	.	Nordic walking training: 1hr, 5x/week, 4 weeks	Treadmill training: 1hr, 5x/week, 4 weeks	Mean Difference	-3.1 (-4.95, -1.25)	**Nordic walking training**
Bello, 2013	Moderate	UPDRS III ( )	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	3.07 (1.07, 5.07)	NS
Fisher, 2008	High	UPDRS Total (UPDRS Total-Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	0.4 (-9.92, 10.72)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fisher, 2008	High	UPDRS III (UPDRS III-Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	1.9 (-5.36, 9.16)	NS
Ellis, 2005	High	UPDRS III ( )	6 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS III ( )	12 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS III ( )	24 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS Total ( )	6 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS Total ( )	12 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS Total ( )	24 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS III ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS Total ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS III (MDS-UPDRS III)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS

Table 2423: PICO 1c- Aerobic vs. Aerobic- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atan, 2019	High	Walk test (6MWT (m))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-50.2 (-152.59, 52.19)	NS
Atan, 2019	High	Balance (BBS)	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-4.6 (-11.00, 1.80)	NS
Atan, 2019	High	UPDRS II ( )	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-0.4 (-5.75, 4.95)	NS
Atan, 2019	High	Walk test (6MWT (m))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-152 (-257.50, -46.50)	**0% Body weight-supported treadmill training**
Atan, 2019	High	Balance (BBS)	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-10.8 (-15.49, -6.11)	**0% Body weight-supported treadmill training**
Atan, 2019	High	UPDRS II ( )	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	1 (-3.75, 5.75)	NS
Atan, 2019	High	Walk test (6MWT (m))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-101.8 (-213.68, 10.08)	NS
Atan, 2019	High	Balance (BBS)	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-6.2 (-11.12, -1.28)	**10 % Body weight-supported treadmill training**
Atan, 2019	High	UPDRS II ( )	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	1.4 (-3.63, 6.43)	NS
Tollar, 2019	High	UPDRS II ( )	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-1.3 (-2.70, 0.10)	NS
Tollar, 2019	High	ADL (Schwab and England)	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	4.4 (0.70, 8.10)	**Agility Exergaming**
Tollar, 2019	High	Balance (BBS)	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	4.6 (2.16, 7.04)	**Agility Exergaming**
Tollar, 2019	High	Balance (BESTest)	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-1.9 (-6.21, 2.41)	NS
Tollar, 2019	High	Tinetti Assessment Tool (TAT) ( )	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-3.6 (-9.11, 1.91)	NS
Tollar, 2019	High	Gait assessment (DGI)	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	0.4 (-0.39, 1.19)	NS
Tollar, 2019	High	Walk test (6MWT (m))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-12 (-45.73, 21.73)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tollar, 2019	High	Amount of sway (COP path (cm)- Wide stance (Eyes open))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-2.5 (-4.90, -0.10)	**Agility Exergaming**
Tollar, 2019	High	Amount of sway (COP path (cm)- Wide stance (Eyes closed))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-0.2 (-2.01, 1.61)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Narrow stance (Eyes open))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	0.8 (-2.23, 3.83)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Narrow stance (Eyes closed))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-0.3 (-3.37, 2.77)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Tandem stance (Eyes open))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-3.1 (-7.53, 1.33)	NS
Tollar, 2019	High	Amount of sway (COP path (cm)- Tandem stance (Eyes closed))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-3.4 (-9.86, 3.06)	NS
Ferraz, 2018	High	Walk test (6MWT (m))	1 wks	Functional training: 50min, 3x/week, 8 weeks	Bicycle exercise: 50min, 3x/week, 8 weeks	Mean Difference	1.75 (-28.23, 31.73)	NS
Ferraz, 2018	High	Walk test (10MWT time)	1 wks	Functional training: 50min, 3x/week, 8 weeks	Bicycle exercise: 50min, 3x/week, 8 weeks	Mean Difference	0.05 (-0.10, 0.20)	NS
Ferraz, 2018	High	WHODAS 2.0 ( )	1 wks	Functional training: 50min, 3x/week, 8 weeks	Bicycle exercise: 50min, 3x/week, 8 weeks	Mean Difference	5.06 (-2.81, 12.93)	NS
Ferraz, 2018	High	Mobility (Sitting-rising test (sec))	1 wks	Functional training: 50min, 3x/week, 8 weeks	Bicycle exercise: 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	1.80(-1.20,4.80)	NS
Ferraz, 2018	High	Walk test (6MWT (m))	1 wks	Functional training: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	0.96 (-32.03, 33.95)	NS
Ferraz, 2018	High	Walk test (10MWT time)	1 wks	Functional training: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	0 (-0.15, 0.15)	NS
Ferraz, 2018	High	WHODAS 2.0 ( )	1 wks	Functional training: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	2.91 (-6.28, 12.10)	NS
Ferraz, 2018	High	Mobility (Sitting-rising test (sec))	1 wks	Functional training: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	1.10(-2.00,4.10)	NS
Ferraz, 2018	High	Walk test (6MWT (m))	1 wks	Bicycle exercise: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	-0.79 (-28.45, 26.87)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ferraz, 2018	High	Walk test (10MWT time)	1 wks	Bicycle exercise: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	-0.05 (-0.17, 0.07)	NS
Ferraz, 2018	High	WHODAS 2.0 ( )	1 wks	Bicycle exercise: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	-2.15 (-8.80, 4.50)	NS
Ferraz, 2018	High	Mobility (Sitting-rising test (sec))	1 wks	Bicycle exercise: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	N/A	NS
Arcolin, 2015	High	Walk test (6MWT (m))	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	-12.4 (-48.71, 23.91)	NS
Arcolin, 2015	High	Gait speed (Speed (cm/s))	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	-6.5 (-21.24, 8.24)	NS
Arcolin, 2015	High	Step (Step length)	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	0.5 (-5.56, 6.56)	NS
Arcolin, 2015	High	Step (Cadence)	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	-8.5 (-17.50, 0.50)	NS
Arcolin, 2015	High	Double support (Double support (% gait cycle))	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	1.1 (-2.31, 4.51)	NS
Arcolin, 2015	High	Mobility (TUG)	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	-0.2 (-1.36, 0.96)	NS
Arcolin, 2015	High	Balance (Mini BESTest)	.	Treadmill training: 1hr, 5x/week, 3 weeks	Cycle ergometer training: 1hr, 5x/week, 3 weeks	Mean Difference	0.8 (-1.31, 2.91)	NS
Palamara, 2017	High	Balance (BBS)	.	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	0.6 (-1.96, 3.16)	NS
Palamara, 2017	High	Balance (BBS)	6 mos	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	4.1 (1.51, 6.69)	**MIRT + Aquatic Therapy**
Palamara, 2017	High	UPDRS II ( )	.	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	-2.7 (-5.39, -0.01)	**MIRT + Aquatic Therapy**
Palamara, 2017	High	UPDRS II ( )	6 mos	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	-1.9 (-5.72, 1.92)	NS
Palamara, 2017	High	Mobility (TUG)	.	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	-0.9 (-2.75, 0.95)	NS
Palamara, 2017	High	Mobility (TUG)	6 mos	MIRT + Aquatic Therapy: MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks	MIRT: 1hr, 6x/week, 4 weeks	Mean Difference	1.1 (-1.14, 3.34)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Trigueiro, 2017	High	UPDRS II (UPDRS II (Falls History Score))	.	Treadmill (5% load): 30min, 3x/week, 4 weeks	Treadmill (0% load): 30min, 3x/week, 4 weeks	Mean Difference	-0.3 (-0.83, 0.23)	NS
Trigueiro, 2017	High	UPDRS II (UPDRS II (Falls History Score))	.	Treadmill (10% load): 30min, 3x/week, 4 weeks	Treadmill (0% load): 30min, 3x/week, 4 weeks	Mean Difference	-0.4 (-0.91, 0.11)	NS
Trigueiro, 2017	High	UPDRS II (UPDRS II (Falls History Score))	.	Treadmill (10% load): 30min, 3x/week, 4 weeks	Treadmill (5% load): 30min, 3x/week, 4 weeks	Mean Difference	-0.1 (-0.50, 0.30)	NS
Khalil, 2017	Moderate	Balance (Mini BESTest)	.	Home-based exercise and Walking program: Exercise DVD and walking program (45 min), 8 weeks	Control (Standard care)	Mean Difference	0.4 (-4.28, 5.08)	NS
Bang, 2017	Moderate	Balance (BBS)	.	Nordic walking training: 1hr, 5x/week, 4 weeks	Treadmill training: 1hr, 5x/week, 4 weeks	Mean Difference	3.3 (0.30, 6.30)	**Nordic walking training**
Bang, 2017	Moderate	Mobility (TUG)	.	Nordic walking training: 1hr, 5x/week, 4 weeks	Treadmill training: 1hr, 5x/week, 4 weeks	Mean Difference	-1.73 (-3.25, -0.21)	**Nordic walking training**
Bang, 2017	Moderate	Walk test (10MWT time)	.	Nordic walking training: 1hr, 5x/week, 4 weeks	Treadmill training: 1hr, 5x/week, 4 weeks	Mean Difference	-1.09 (-2.05, -0.13)	**Nordic walking training**
Bang, 2017	Moderate	Walk test (6MWT (m))	.	Nordic walking training: 1hr, 5x/week, 4 weeks	Treadmill training: 1hr, 5x/week, 4 weeks	Mean Difference	44.4 (4.55, 84.25)	**Nordic walking training**
Pelosin, 2017	High	Walk test (10MWT time)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	2 (1.17, 2.83)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Walk test (10MWT time)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.8 (0.84, 2.76)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Walk test (10MWT time)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	3.4 (1.82, 4.98)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Mobility (TUG)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	3.3 (2.42, 4.18)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Mobility (TUG)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	4.3 (3.15, 5.45)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Mobility (TUG)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	3.4 (2.07, 4.73)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-2.9 (-4.82, -0.98)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-2.7 (-4.25, -1.15)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-5.6 (-7.22, -3.98)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Fall Fear/Risk (FES)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1 (-1.41, 3.41)	NS
Pelosin, 2017	High	Fall Fear/Risk (FES)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.7 (-0.80, 4.20)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pelosin, 2017	High	Fall Fear/Risk (FES)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	3.1 (0.68, 5.52)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Falls (Falls (number))	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.9 (0.62, 1.18)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Falls (Falls (number))	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.9 (0.64, 1.16)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Falls (Falls (number))	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.9 (0.45, 1.35)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	FOG ( )	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.2 (-0.56, 2.96)	NS
Pelosin, 2017	High	FOG ( )	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.8 (0.08, 3.52)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	FOG ( )	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	2.1 (-11.36, 15.56)	NS
Pelosin, 2017	High	Walk test (10MWT time)	.	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.4 (0.76, 2.04)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Walk test (10MWT time)	2 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.9 (0.09, 1.71)	**Low Frequency Treadmill Training**
Pelosin, 2017	High	Walk test (10MWT time)	4 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.3 (-0.00, 2.60)	NS
Pelosin, 2017	High	Mobility (TUG)	.	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.6 (-1.18, 2.38)	NS
Pelosin, 2017	High	Mobility (TUG)	2 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.9 (-1.01, 2.81)	NS
Pelosin, 2017	High	Mobility (TUG)	4 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.2 (-1.60, 2.00)	NS
Pelosin, 2017	High	Balance (BBS)	.	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.9 (0.84, 2.96)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	2 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	2.7 (1.46, 3.94)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	4 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	1.6 (-0.07, 3.27)	NS
Pelosin, 2017	High	Fall Fear/Risk (FES)	.	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	0.3 (-1.91, 2.51)	NS
Pelosin, 2017	High	Fall Fear/Risk (FES)	2 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.3 (-2.67, 2.07)	NS
Pelosin, 2017	High	Fall Fear/Risk (FES)	4 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.6 (-2.88, 1.68)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pelosin, 2017	High	Falls (Falls (number))	.	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.1 (-0.38, 0.18)	NS
Pelosin, 2017	High	Falls (Falls (number))	2 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.4 (-0.68, -0.12)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Falls (Falls (number))	4 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.1 (-0.52, 0.32)	NS
Pelosin, 2017	High	FOG ( )	.	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.3 (-1.97, 1.37)	NS
Pelosin, 2017	High	FOG ( )	2 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.2 (-1.83, 1.43)	NS
Pelosin, 2017	High	FOG ( )	4 mos	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Low Frequency Treadmill Training: 45min, 2x/week, 5 weeks (10 sessions)	Mean Difference	-0.7 (-14.15, 12.75)	NS
Pelosin, 2017	High	Walk test (10MWT time)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	0.6 (-0.09, 1.29)	NS
Pelosin, 2017	High	Walk test (10MWT time)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	0.9 (0.09, 1.71)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Walk test (10MWT time)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	2.1 (0.91, 3.29)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Mobility (TUG)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	2.7 (0.92, 4.48)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Mobility (TUG)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	3.4 (1.59, 5.21)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Mobility (TUG)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	3.2 (1.27, 5.13)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	-4.8 (-6.77, -2.83)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	-5.4 (-7.09, -3.71)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Balance (BBS)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	-7.2 (-8.82, -5.58)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Fall Fear/Risk (FES)	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	0.7 (-1.46, 2.86)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pelosin, 2017	High	Fall Fear/Risk (FES)	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	2 (-0.33, 4.33)	NS
Pelosin, 2017	High	Fall Fear/Risk (FES)	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	3.7 (1.20, 6.20)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Falls (Falls (number))	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	1 (0.82, 1.18)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Falls (Falls (number))	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	1.3 (1.16, 1.44)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	Falls (Falls (number))	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	1 (0.69, 1.31)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	FOG ( )	.	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	1.5 (-0.26, 3.26)	NS
Pelosin, 2017	High	FOG ( )	2 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	2 (0.16, 3.84)	**Intermediate Frequency Treadmill Training**
Pelosin, 2017	High	FOG ( )	4 mos	High Frequency Treadmill Training: 45min, 5x/week, 2 weeks (10 sessions)	Intermediate Frequency Treadmill Training: 45min, 3x/week, 10 sessions	Mean Difference	2.8 (0.87, 4.73)	**Intermediate Frequency Treadmill Training**
Monteiro, 2017	Moderate	Mobility (TUG (Self-selected speed))	.	Nordic Walking training: 6 weeks (12 hrs)	Free Walking training: 6 weeks (12 hrs)	Author Reported - GEE, $p > 0.05$	N/A	NS
Monteiro, 2017	Moderate	Mobility (TUG (Forced speed))	.	Nordic Walking training: 6 weeks (12 hrs)	Free Walking training: 6 weeks (12 hrs)	Author Reported - GEE, $p > 0.05$	N/A	NS
Monteiro, 2017	Moderate	Gait speed (Self-selected walking speed (km/hr))	.	Nordic Walking training: 6 weeks (12 hrs)	Free Walking training: 6 weeks (12 hrs)	Author Reported - GEE, $p < 0.001$	N/A	**Nordic walking favored over Free walking**
Monteiro, 2017	Moderate	Locomotor rehabilitation index (%) ( )	.	Nordic Walking training: 6 weeks (12 hrs)	Free Walking training: 6 weeks (12 hrs)	Author Reported - GEE, $p < 0.001$	N/A	**Nordic walking favored over Free walking**
Monteiro, 2017	Moderate	Balance (BBS)	.	Nordic Walking training: 6 weeks (12 hrs)	Free Walking training: 6 weeks (12 hrs)	Author Reported - GEE, $p > 0.05$	N/A	NS
Harro, 2014	High	Gait speed (Comfortable gait speed (m/s))	.	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS
Harro, 2014	High	Gait speed (Fast gait speed (m/s))	.	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS
Harro, 2014	High	Walk test (6MWT (m))	.	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Harro, 2014	High	Gait assessment (FGA)	.	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS
Bello, 2013	Moderate	Gait speed (Walking at preferred speed (Speed) (m/sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.03 (-0.10, 0.04)	NS
Bello, 2013	Moderate	Step (Walking at preferred speed (Cadence) (steps/min))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.89 (-1.76, 3.54)	NS
Bello, 2013	Moderate	Stride (Walking at preferred speed (Stride length) (m))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.05 (-0.10, 0.00)	NS
Bello, 2013	Moderate	Gait speed (Walking at maximal speed (Speed) (m/sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.07 (-0.15, 0.01)	NS
Bello, 2013	Moderate	Step (Walking at maximal speed (Cadence) (steps/min))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.34 (-2.77, 2.09)	NS
Bello, 2013	Moderate	Stride (Walking at maximal speed (Stride length) (m))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.06 (-0.12, 0.00)	NS
Bello, 2013	Moderate	Gait speed (Walking on treadmill at initial preferred speed (Speed) (m/sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.07 (-0.14, -0.00)	NS
Bello, 2013	Moderate	Step (Walking on treadmill at initial preferred speed (Cadence) (steps/min))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-1.2 (-4.98, 2.58)	NS
Bello, 2013	Moderate	Stride (Walking on treadmill at initial preferred speed (Stride length) (m))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.07 (-0.13, -0.01)	NS
Bello, 2013	Moderate	Mobility (TUG)	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.96 (0.21, 1.71)	NS
Bello, 2013	Moderate	Mobility (TUG (Time to stand up) (sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	-0.01 (-0.13, 0.11)	NS
Bello, 2013	Moderate	Mobility (TUG (Time to walk) (sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.31 (0.17, 0.45)	NS
Bello, 2013	Moderate	Mobility (TUG (Time to turn) (sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.19 (-0.01, 0.39)	NS
Bello, 2013	Moderate	Mobility (TUG (Time to back) (sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.25 (0.12, 0.38)	NS
Bello, 2013	Moderate	Mobility (TUG (Time to sit down) (sec))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.22 (0.02, 0.42)	NS
Bello, 2013	Moderate	Amount of sway (CoP area (Eyes open) (mm2))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	306 (-59.90, 671.90)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bello, 2013	Moderate	Amount of sway (CoP area (Eyes closed) (mm2))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	891 (539.33, 1242.67)	NS
Bello, 2013	Moderate	Amount of sway (CoP area (Eyes open and cognitive task) (mm2))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	735 (308.27, 1161.73)	NS
Bello, 2013	Moderate	Amount of sway (CoP area (Eyes closed and cognitive task) (mm2))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	890 (465.88, 1314.12)	NS
Bello, 2013	Moderate	Amount of sway (CoP area (Cognitive task with eyes open) (Score))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.09 (-0.10, 0.28)	NS
Bello, 2013	Moderate	Amount of sway (CoP area (Cognitive task with eyes closed) (Score))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	0.05 (-0.14, 0.24)	NS
Bello, 2013	Moderate	Strength/Power (Knee extensor strength (N))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	95 (-33.68, 223.68)	NS
Bello, 2013	Moderate	Strength/Power (Knee extensor (Affected leg) (N))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	226 (138.70, 313.30)	NS
Bello, 2013	Moderate	Strength/Power (Knee extensor (Non-affected leg) (N))	.	Treadmill training: 3 sessions/week, 5 weeks	Overground training: 3 sessions/week, 5 weeks	Mean Difference	268 (179.67, 356.33)	**Treadmill training**
Shulman, 2013	Moderate	Walk test (6MWT (ft))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	-156.5 (-213.07, -99.93)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Walk test (10MWT (Comfortable pace) (sec))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	0.91 (0.67, 1.15)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Walk test (10MWT (Fast pace) (sec))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	0.48 (0.25, 0.71)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Mobility (50 ft Fast Pace (sec))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	1.18 (0.68, 1.68)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Strength/Power (Leg press (lbs))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	-110.44 (-156.47, -64.41)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	ROM (Leg extension (lbs))	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	-28.92 (-43.65, -14.19)	**LIT (Low intensity treadmill training)**
Fisher, 2008	High	UPDRS II (UPDRS II (Walking))	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-1.8 (-4.74, 1.14)	NS
Fisher, 2008	High	Gait velocity (Velocity (m/s)-Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.1 (-0.26, 0.06)	NS
Fisher, 2008	High	Step (Step Length (m)-Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.05 (-0.12, 0.02)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fisher, 2008	High	Stride (Stride length (Usual walking))	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.1 (-0.23, 0.03)	NS
Fisher, 2008	High	Step (Step width (m)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.01 (-0.03, 0.01)	NS
Fisher, 2008	High	Step (Cadence (steps/min)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-1.91 (-10.14, 6.32)	NS
Fisher, 2008	High	Double support (Double limb support time (% of gait cycle)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	0.19 (-2.55, 2.93)	NS
Fisher, 2008	High	ROM (Hip ROM (°)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-3.25 (-8.03, 1.53)	NS
Fisher, 2008	High	ROM (Knee ROM (°)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.3 (-4.38, 3.78)	NS
Fisher, 2008	High	ROM (Ankle ROM (°)- Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-1.7 (-4.64, 1.24)	NS
Fisher, 2008	High	Gait velocity (Velocity (m/s)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.06 (-0.30, 0.18)	NS
Fisher, 2008	High	Step (Step Length (m)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.03 (-0.12, 0.06)	NS
Fisher, 2008	High	Stride (Stride Length (m)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.09 (-0.26, 0.08)	NS
Fisher, 2008	High	Step (Step width (m)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-0.01 (-0.03, 0.01)	NS
Fisher, 2008	High	Step (Cadence (steps/min)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	3.41 (-7.34, 14.16)	NS
Fisher, 2008	High	Double support (Double limb support time (% of gait cycle)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	0.32 (-2.40, 3.04)	NS
Fisher, 2008	High	ROM (Hip ROM (°)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-3.7 (-8.69, 1.29)	NS
Fisher, 2008	High	ROM (Knee ROM (°)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-5.2 (-10.85, 0.45)	NS
Fisher, 2008	High	ROM (Ankle ROM (°)- Fast Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	-3 (-7.08, 1.08)	NS
Ellis, 2005	High	SIP-68 (Sickness Impact Profile (SIP)-68 Mobility)	6 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	SIP-68 (Sickness Impact Profile (SIP)-68 Mobility)	12 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ellis, 2005	High	SIP-68 (Sickness Impact Profile (SIP)-68 Mobility)	24 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS II ( )	6 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS II ( )	12 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS II ( )	24 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	Gait speed (Comfortable gait speed (m/s))	6 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	Gait speed (Comfortable gait speed (m/s))	12 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	Gait speed (Comfortable gait speed (m/s))	24 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Chaiwanichsiri, 2011	Moderate	Step (Step length)	4 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	5 (-3.94, 13.94)	NS
Chaiwanichsiri, 2011	Moderate	Step (Step length)	8 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	2.6 (-4.30, 9.50)	NS
Chaiwanichsiri, 2011	Moderate	Stride (Stride length)	4 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	10 (-7.94, 27.94)	NS
Chaiwanichsiri, 2011	Moderate	Stride (Stride length)	8 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	6 (-8.17, 20.17)	NS
Chaiwanichsiri, 2011	Moderate	Step (Cadence)	4 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	0.5 (-9.94, 10.94)	NS
Chaiwanichsiri, 2011	Moderate	Step (Cadence)	8 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-1.9 (-8.61, 4.81)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (sec))	4 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.3 (-0.98, 0.38)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (sec))	8 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.1 (-0.64, 0.44)	NS
Chaiwanichsiri, 2011	Moderate	Gait speed (Speed (m/s))	4 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	0.1 (-0.07, 0.27)	NS
Chaiwanichsiri, 2011	Moderate	Gait speed (Speed (m/s))	8 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	0.13 (-0.14, 0.40)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (m))	4 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	3.7 (-86.88, 94.28)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (m))	8 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-12.4 (-97.67, 72.87)	NS
Chaiwanichsiri, 2011	Moderate	Mobility (TUG)	4 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-1 (-2.84, 0.84)	NS
Chaiwanichsiri, 2011	Moderate	Mobility (TUG)	8 wks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.5 (-2.25, 1.25)	NS
Schenkman, 2018	High	UPDRS II ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS II (MDS-UPDRS II)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS
Schenkman, 2018	High	Step (Total step count)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS
Daneshvar, 2019	High	ROM (Knee Propioception (°))	.	Rebound therapy-based program (Trampoline training): 20-45min, 3x/wk, 8 weeks	Weight-bearing exercises (Treadmill training with body weight support): 20-45min, 3x/wk, 8 weeks	Author Reported - ANOVA	N/A	NS
Daneshvar, 2019	High	ROM (Knee ROM (°))	.	Rebound therapy-based program (Trampoline training): 20-45min, 3x/wk, 8 weeks	Weight-bearing exercises (Treadmill training with body weight support): 20-45min, 3x/wk, 8 weeks	Author Reported - ANOVA	N/A	NS

Table 2524: PICO 1c- Aerobic vs. Aerobic- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atan, 2019	High	UPDRS I ( )	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	0.8 (-0.67, 2.27)	NS
Atan, 2019	High	Fatigue (FIS (Fatigue Impact Scale))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	6.3 (-20.69, 33.29)	NS
Atan, 2019	High	Fatigue (FSS (Fatigue Severity Scale))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	1.1 (-0.30, 2.50)	NS
Atan, 2019	High	UPDRS I ( )	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	0.1 (-1.54, 1.74)	NS
Atan, 2019	High	Fatigue (FIS (Fatigue Impact Scale))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	32.7 (11.25, 54.15)	**0% Body weight-supported treadmill training**
Atan, 2019	High	Fatigue (FSS (Fatigue Severity Scale))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	2.9 (1.86, 3.94)	**0% Body weight-supported treadmill training**
Atan, 2019	High	UPDRS I ( )	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-0.7 (-1.90, 0.50)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Sleep))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	26.4 (7.78, 45.02)	**10 % Body weight-supported treadmill training**
Atan, 2019	High	Fatigue (FIS (Fatigue Impact Scale))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	1.8 (0.76, 2.84)	**10 % Body weight-supported treadmill training**
Tollar, 2019	High	Depression (BDI)	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-0.4 (-1.68, 0.88)	NS
Ferraz, 2018	High	Depression (GDS)	1 wks	Functional training: 50min, 3x/week, 8 weeks	Bicycle exercise: 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	0.60(-0.80,1.90)	NS
Ferraz, 2018	High	Depression (GDS)	1 wks	Functional training: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	0.10(-1.30,1.50)	NS
Ferraz, 2018	High	Depression (GDS)	1 wks	Bicycle exercise: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	N/A	NS
Fisher, 2008	High	UPDRS I (UPDRS I-Walking)	.	High Intensity Exercise (10% BWSTT): 45min/session, 24 sessions, 8 weeks	Low Intensity Exercise (PT): 45min/session, 24 sessions, 8 weeks	Mean Difference	0.3 (-1.15, 1.75)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ellis, 2005	High	UPDRS I ( )	6 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS I ( )	12 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	UPDRS I ( )	24 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS I ( )	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS
Schenkman, 2018	High	UPDRS I (MDS-UPDRS I)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS

Table 2625: PICO 1c- Aerobic vs. Aerobic- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Pain))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	18.8 (-10.80, 48.40)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Emotional))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-3.3 (-31.61, 25.01)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Energy))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	6.5 (-24.76, 37.76)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Physical))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	11.3 (-9.85, 32.45)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Social isolation))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	-2 (-26.96, 22.96)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Sleep))	.	10% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	6 (-26.57, 38.57)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Pain))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	42.5 (18.91, 66.09)	**0% Body weight-supported treadmill training**
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Emotional))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	15.6 (-6.31, 37.51)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Energy))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	46.6 (21.39, 71.81)	**0% Body weight-supported treadmill training**
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Physical))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	51.3 (31.46, 71.14)	**0% Body weight-supported treadmill training**
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Social isolation))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	10 (-7.37, 27.37)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Sleep))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	0% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	12.5 (-17.07, 42.07)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Pain))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	23.7 (-1.22, 48.62)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Pain))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	18.9 (-4.80, 42.60)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Emotional))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	40.1 (19.46, 60.74)	**10 % Body weight-supported treadmill training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Energy))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	40 (29.41, 50.59)	**10 % Body weight-supported treadmill training**
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Physical))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	12 (-7.84, 31.84)	NS
Atan, 2019	High	Nottingham Health Profile (NHP) (NHP (Social isolation))	.	20% Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	10 % Body weight-supported treadmill training: 1hr, 5x/week, 6 weeks	Mean Difference	6.5 (-22.43, 35.43)	NS
Tollar, 2019	High	PDQ-39 ( )	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	0 (-0.50, 0.50)	NS
Tollar, 2019	High	PDQ-39 (PDQ-39 (Mobility))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	0.6 (-1.57, 2.77)	NS
Tollar, 2019	High	EQ-5D (EQ-5D (VAS))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	2.2 (-2.47, 6.87)	NS
Tollar, 2019	High	EQ-5D (EQ5D (sum))	.	Agility Exergaming: 5x/week, 5 weeks	Stationary Cycling: 5x/week, 5 weeks	Mean Difference	-0.6 (-1.65, 0.45)	NS
Ferraz, 2018	High	PDQ-39 ( )	1 wks	Functional training: 50min, 3x/week, 8 weeks	Bicycle exercise: 50min, 3x/week, 8 weeks	Mean Difference	0.21 (-8.95, 9.37)	NS
Ferraz, 2018	High	EQ-5D ( )	1 wks	Functional training: 50min, 3x/week, 8 weeks	Bicycle exercise: 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	0.60(-0.30,1.50)	NS
Ferraz, 2018	High	PDQ-39 ( )	1 wks	Functional training: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	-5.49 (-13.94, 2.96)	NS
Ferraz, 2018	High	EQ-5D ( )	1 wks	Functional training: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	0.50(-0.60,1.50)	NS
Ferraz, 2018	High	PDQ-39 ( )	1 wks	Bicycle exercise: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Mean Difference	-5.7 (-15.46, 4.06)	NS
Ferraz, 2018	High	EQ-5D ( )	1 wks	Bicycle exercise: 50min, 3x/week, 8 weeks	Exergaming (Xbox 360 video game with Kinect) (outpatient clinic under supervision of physiotherapist): 50min, 3x/week, 8 weeks	Author Reported - Kruskal-Wallis & Wilcoxon tests	N/A	NS
Ellis, 2005	High	SIP-68 (Sickness Impact Profile (SIP)-68)	6 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	SIP-68 (Sickness Impact Profile (SIP)-68)	12 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS
Ellis, 2005	High	SIP-68 (Sickness Impact Profile (SIP)-68)	24 wks	Group A: 1) PT and medication therapy (MT) 2) MT only: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Group B: 1) MT only 2) PT and MT: PT program: 1.5hrs, 2x/wk, 6 weeks; MT: 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Daneshvar, 2019	High	PDQ-39 (PDQ-39 (Persian version))	.	Rebound therapy-based program (Trampoline training): 20-45min, 3x/wk, 8 weeks	Weight-bearing exercises (Treadmill training with body weight support): 20-45min, 3x/wk, 8 weeks	Author Reported - ANOVA	N/A	NS

Table 2726: PICO 1c- Aerobic vs. Aerobic- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ridgel, 2016	High	IPAQ ( )	24 wks	EXCEED (Enhanced Exercise Therapy- Psychoeducation, Peer education/support, Manualized group exercise(High cadence cycling and Resistance training): 45-60min, 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	SGE (Self-guided exercise therapy- Psychoeducation, Self-guided exercise manual, free fitness access, Continuing exercise manual (High cadence cycling and Resistance training)): 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	Author Reported	N/A	NS

Table 2827: PICO 1c- Aerobic vs. Aerobic- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ridgel, 2016	High	VO2 (VO2 max)	12 wks	EXCEED (Enhanced Exercise Therapy- Psychoeducation, Peer education/support, Manualized group exercise(High cadence cycling and Resistance training): 45-60min, 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	SGE (Self-guided exercise therapy- Psychoeducation, Self-guided exercise manual, free fitness access, Continuing exercise manual (High cadence cycling and Resistance training)): 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	Author Reported - p = 0.86	N/A	NS
Shulman, 2013	Moderate	VO2 (VO2 peak)	.	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	-2.72 (-3.41, -2.03)	**LIT (Low intensity treadmill training)**
Schenkman, 2018	High	VO2 (VO2 max)	6 mos	High Intensity Treadmill Exercise: 40-50min, 4x/wk at 80-85% max HR, 26 weeks	Moderate Intensity Treadmill Exercise: 40-50min, 4x/wk at 60-65% max HR, 26 weeks	Author Reported	N/A	NS

Figure 11: Meta-analysis- Cadence (post)

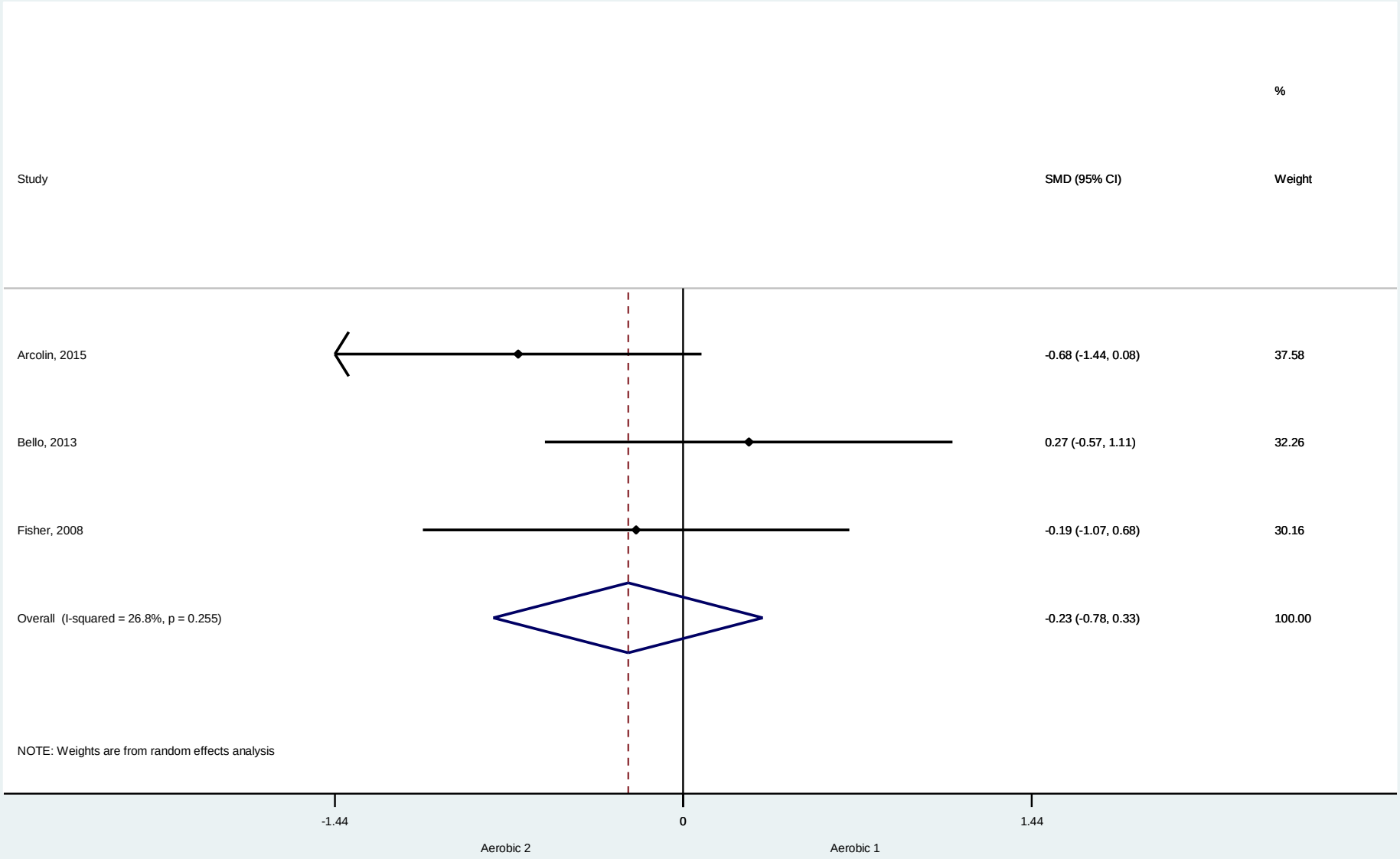
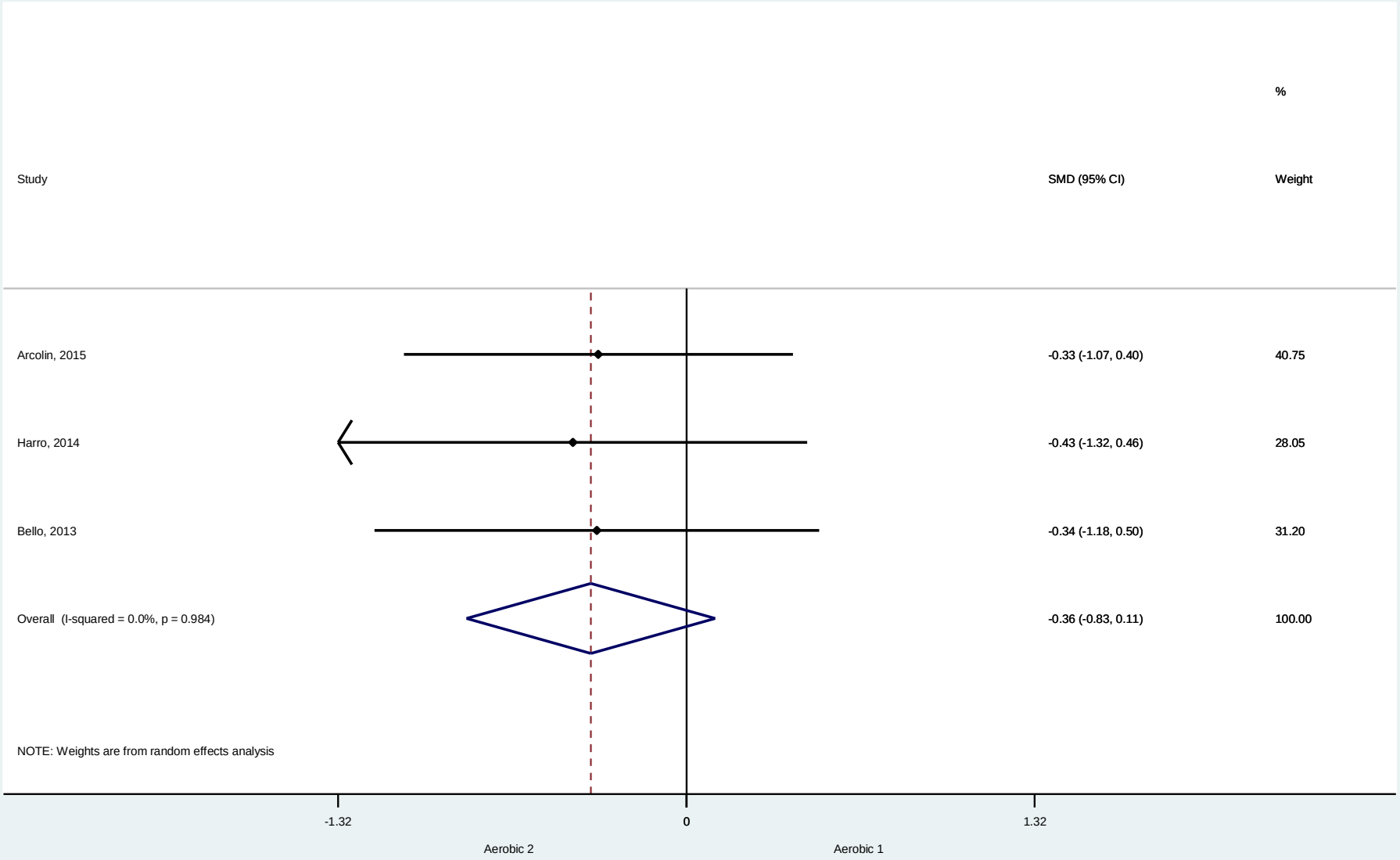


Figure 12: Meta-analysis- Gait Speed (post)



PICO 2

Table 2928: PICO 2a- Resistance/Strength training vs. Control- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	Compliance (Number of participants receiving 5-6 weeks of therapy)	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	RR	1.14(1.02,1.28)	**Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education)**

Table 3029: PICO 2a- Resistance/Strength training vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	Adverse events (Adverse event rate (per participant))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.8 (-3.50, 5.10)	NS
Jitkritsadakul, 2017	High	VAS ( )	1 mos	Tremor's glove group	Sham glove group	Author Reported - MW U test	N/A	NS
Morris, 2017	High	Falls (All falls (Fallers))	12 mos	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	RR	0.85(0.66,1.09)	NS
Morris, 2017	High	Falls (Injurious falls (Fallers))	12 mos	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	RR	1.88(0.87,4.06)	NS
Collett, 2017	Moderate	Adverse events ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	RD	.(.,.)	NS

Table 3130: PICO 2a- Resistance/Strength training vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	UPDRS III (MDS-UPDRS III (on medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-11.3 (-21.84, -0.76)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	UPDRS III (MDS-UPDRS III (on medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-7.9 (-20.80, 5.00)	NS
Landers, 2019	High	UPDRS III (MDS-UPDRS III (off medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-8.7 (-22.98, 5.58)	NS
Landers, 2019	High	UPDRS III (MDS-UPDRS III (off medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-11.4 (-24.30, 1.50)	NS
Landers, 2019	High	BDNF ( )	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	883.2 (-231.33, 1997.73)	NS
Landers, 2019	High	BDNF ( )	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	86.1 (-74.17, 246.37)	NS
Landers, 2019	High	TNF alpha ((pg/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-7 (-14.63, 0.63)	NS
Landers, 2019	High	TNF alpha ((pg/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-6.6 (-19.78, 6.58)	NS
Landers, 2019	High	IL-6 (IL-6 (pg/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-5.8 (-19.53, 7.93)	NS
Landers, 2019	High	IL-6 (IL-6 (pg/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-1 (-20.92, 18.92)	NS
Landers, 2019	High	IL-10 (IL-10 (pg/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.3 (-4.83, 5.43)	NS
Landers, 2019	High	IL-10 (IL-10 (pg/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-2 (-6.02, 2.02)	NS
Landers, 2019	High	IL-10/TNF alpha (IL-10/TNF alpha (ratio))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.8 (-2.90, 4.50)	NS
Landers, 2019	High	IL-10/TNF alpha (IL-10/TNF alpha (ratio))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-0.11 (-3.85, 3.63)	NS
Santos, 2017	High	UPDRS III ( )	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-2.19 (-6.17, 1.79)	NS
Santos, 2017	High	UPDRS III ( )	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-2.23 (-6.17, 1.71)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	UPDRS III ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-2 (-6.83, 2.83)	NS
Morris, 2017	High	UPDRS III ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-5 (-10.30, 0.30)	NS
Morris, 2017	High	UPDRS IV ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-0.04 (-1.68, 1.60)	NS
Morris, 2017	High	UPDRS IV ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.18 (-1.37, 1.73)	NS
Silva-Batista, 2016	Moderate	UPDRS III ( )	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	UPDRS III ( )	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Ni, 2016	Moderate	UPDRS III (UPDRS III Bradykinesia (Upper limb))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-3.4 (-3.40, -3.40)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	UPDRS III (UPDRS III Bradykinesia (Lower limb))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-1.9 (-1.90, -1.90)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2012	High	UPDRS III ( )	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-11.1 (-14.02, -8.18)	**Power training**
Dibble, 2015	High	UPDRS III (UPDRS III (on medication))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	-0.44 (-6.31, 5.43)	NS
Dibble, 2015	High	UPDRS III (UPDRS III (off medication))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	4.42 (-3.43, 12.27)	NS
Morris, 2015	High	UPDRS III ( )	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-1.5 (-3.83, 0.83)	NS
Morris, 2015	High	UPDRS III ( )	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-2.3 (-4.82, 0.22)	NS
De Lima, 2019	High	UPDRS Total ( )	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
Vieira de Moraes Filho, 2020	Moderate	UPDRS III (UPDRS III (Bradykinesia))	.	Progressive Resistance Training Program: 50-60min, 2x/week, 9 weeks	Control (PD lectures)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	UPDRS III ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	UPDRS III ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Mohammadpour, 2018	Moderate	UPDRS III ( )	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	7.95(.,.)	**Combined exercise favored over Control**

Table 3231: PICO 2a- Resistance/Strength training vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Leal, 2019	High	Balance (Sit-and-reach)	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	10.39 (7.20, 13.58)	**Resistance Training**
Leal, 2019	High	Mobility (2MST (repetitions))	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	26.35 (18.06, 34.64)	**Resistance Training**
Leal, 2019	High	Mobility (TUG)	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	-4.1 (-6.24, -1.96)	**Resistance Training**
Leal, 2019	High	Walk test (6MWT (sec))	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	0.31 (0.18, 0.44)	**Control (Pharmacological treatment)**
Leal, 2019	High	Strength/Power (Grip strength (Right))	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	6.06 (2.98, 9.14)	**Resistance Training**
Leal, 2019	High	Strength/Power (Grip strength (Left))	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	2.9 (0.21, 5.59)	**Resistance Training**
Leal, 2019	High	Tinetti Assessment Tool (TAT) (Tinetti Mobility Test- Balance)	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	2.44 (1.15, 3.73)	**Resistance Training**
Leal, 2019	High	Tinetti Assessment Tool (TAT) (Tinetti Mobility Test- Gait)	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	2.26 (1.22, 3.30)	**Resistance Training**
Leal, 2019	High	Tinetti Assessment Tool (TAT) (Tinetti Mobility Test- Total)	.	Resistance Training: 30-40min, 2x/week, 6 months	Control (Pharmacological treatment): 6 months	Mean Difference	4.7 (3.03, 6.37)	**Resistance Training**
Ortiz-Rubio, 2018	High	Balance (Mini BESTest (Anticipatory))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	0.5 (0.03, 0.97)	**Group Resistance Training Program (Elastic bands)**
Ortiz-Rubio, 2018	High	Balance (Mini BESTest (Reactive postural control))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	0.7 (0.14, 1.26)	**Group Resistance Training Program (Elastic bands)**
Ortiz-Rubio, 2018	High	Balance (Mini BESTest (Sensory orientation))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	0.5 (-0.06, 1.06)	NS
Ortiz-Rubio, 2018	High	Balance (Mini BESTest (Dynamic Gait))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	0.3 (-0.34, 0.94)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ortiz-Rubio, 2018	High	Balance (Mini BESTest)	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	2.2 (0.84, 3.56)	**Group Resistance Training Program (Elastic bands)**
Landers, 2019	High	Balance (Mini BESTest (on medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	4.6 (0.86, 8.34)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	Balance (Mini BESTest (on medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.8 (-0.22, 7.82)	NS
Landers, 2019	High	Balance (Mini BESTest (off medication))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	4.1 (0.06, 8.14)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	Balance (Mini BESTest (off medication))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.2 (-0.41, 6.81)	NS
Landers, 2019	High	Balance (ABC)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	10.5 (-8.10, 29.10)	NS
Landers, 2019	High	Balance (ABC)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	2 (-17.25, 21.25)	NS
Landers, 2019	High	Fall Fear/Risk (Catastrophization About Falls Questionnaire)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-1.9 (-3.84, 0.04)	NS
Landers, 2019	High	Fall Fear/Risk (Catastrophization About Falls Questionnaire)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-1.1 (-3.49, 1.29)	NS
Landers, 2019	High	Fall Fear/Risk (FFABQ)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-4.3 (-15.95, 7.35)	NS
Landers, 2019	High	Fall Fear/Risk (FFABQ)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-3.1 (-13.91, 7.71)	NS
Landers, 2019	High	Walk test (6MWT (on medication) (m))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	73.3 (-33.52, 180.12)	NS
Landers, 2019	High	Walk test (6MWT (on medication) (m))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	74.7 (-80.48, 229.88)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	Walk test (6MWT (off medication) (m))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	54.1 (-94.83, 203.03)	NS
Landers, 2019	High	Walk test (6MWT (off medication) (m))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	41.9 (-91.22, 175.02)	NS
Landers, 2019	High	Mobility (Sit-to-stand (on medication) (n))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.1 (-1.75, 7.95)	NS
Landers, 2019	High	Mobility (Sit-to-stand (on medication) (n))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	3.4 (-2.43, 9.23)	NS
Landers, 2019	High	Mobility (Sit-to-Stand (off medication) (n))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	1.5 (-3.08, 6.08)	NS
Landers, 2019	High	Mobility (Sit-to-Stand (off medication) (n))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	1.6 (-3.25, 6.45)	NS
Silva-Batista, 2018	High	Balance (BESTest Total)	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	7.3 (-3.35, 17.95)	NS
Silva-Batista, 2018	High	Balance (BESTest Total (Biomechanical constraints) (%))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	4.1 (-14.27, 22.47)	NS
Silva-Batista, 2018	High	Balance (BESTest (Limits of stability/verticality) (%))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	7.3 (-10.16, 24.76)	NS
Silva-Batista, 2018	High	Balance (BESTest (Anticipatory postural adjustments) (%))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	6 (-8.77, 20.77)	NS
Silva-Batista, 2018	High	Balance (BESTest (Reactive postural responses) (%))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	17.5 (5.20, 29.80)	**Resistance training**
Silva-Batista, 2018	High	Balance (BESTest (Sensory orientation) (%))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	15.9 (0.64, 31.16)	**Resistance training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2018	High	Balance (BESTest (Stability in gait) (%))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	-4.4 (-19.33, 10.53)	NS
Silva-Batista, 2018	High	Stability (Overall stability index (°))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	-0.5 (-1.35, 0.35)	NS
Silva-Batista, 2018	High	Fall Fear/Risk (FES-I)	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	-5.3 (-13.37, 2.77)	NS
Silva-Batista, 2018	High	Strength/Power (Peak torque of knee extensors (nm))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	41.2 (19.12, 63.28)	**Resistance training**
Silva-Batista, 2018	High	Strength/Power (Peak torque of plantar flexors (nm))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	32.9 (13.78, 52.02)	**Resistance training**
Silva-Batista, 2018	High	Balance (BESTest Total)	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	19.9 (11.17, 28.63)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest Total (Biomechanical constraints) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	33.4 (18.25, 48.55)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest (Limits of stability/verticality) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	26 (11.52, 40.48)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest (Anticipatory postural adjustments) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	21 (9.34, 32.66)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest (Reactive postural responses) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	4.7 (-11.42, 20.82)	NS
Silva-Batista, 2018	High	Balance (BESTest (Sensory orientation) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	17.9 (3.47, 32.33)	**Resistance training with instability**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2018	High	Balance (BESTest (Stability in gait) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	17.6 (4.63, 30.57)	**Resistance training with instability**
Silva-Batista, 2018	High	Stability (Overall stability index (°))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	-1.2 (-1.84, -0.56)	**Resistance training with instability**
Silva-Batista, 2018	High	Fall Fear/Risk (FES-I)	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	-5.4 (-11.37, 0.57)	NS
Silva-Batista, 2018	High	Strength/Power (Peak torque of knee extensors (nm))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	39 (10.29, 67.71)	**Resistance training with instability**
Silva-Batista, 2018	High	Strength/Power (Peak torque of plantar flexors (nm))	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	58.1 (39.99, 76.21)	**Resistance training with instability**
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Time (sec))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Time (sec))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 1 (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 1 (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 2 (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 2 (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Total area (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Total area (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Ratio (%))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Ratio (%))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Santos, 2017	High	Amount of sway (CoP Length)	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-14.29 (-31.23, 2.65)	NS
Santos, 2017	High	Amount of sway (CoP Length)	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	1.1 (-17.66, 19.86)	NS
Santos, 2017	High	Amount of sway (CoP Area)	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	8.6 (-205.95, 223.15)	NS
Santos, 2017	High	Amount of sway (CoP Area)	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-6.23 (-219.55, 207.09)	NS
Santos, 2017	High	Amount of sway (CoP Speed)	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-0.22 (-1.11, 0.67)	NS
Santos, 2017	High	Amount of sway (CoP Speed)	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	0.05 (-1.15, 1.25)	NS
Santos, 2017	High	Walk test (10-MWT (Usual walk speed) (m/s))	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-0.14 (-0.24, -0.04)	**Control (Usual physical activity)**
Santos, 2017	High	Walk test (10-MWT (Usual walk speed) (m/s))	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-0.13 (-0.22, -0.04)	**Control (Usual physical activity)**
Santos, 2017	High	Walk test (10MWT (Fast rhythm) (m/s))	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	0.3 (0.13, 0.47)	**Experimental group (Progressive resistance exercise)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2017	High	Walk test (10MWT (Fast rhythm) (m/s))	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	0.12 (-0.03, 0.27)	NS
Santos, 2017	High	FOG ( )	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	0 (-1.98, 1.98)	NS
Santos, 2017	High	FOG ( )	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	0.08 (-1.85, 2.01)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Velocity 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.039 (-0.04, 0.12)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Velocity 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.018 (-0.04, 0.07)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Velocity 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.007 (-0.03, 0.04)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Velocity 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.028 (-0.01, 0.07)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Velocity 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.004 (-0.02, 0.02)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Velocity 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	-0.01 (-0.05, 0.03)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Velocity 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	-0.013 (-0.09, 0.06)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Power 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	21.2 (-4.74, 47.14)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Power 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	16.2 (-20.63, 53.03)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Power 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	16.3 (-2.77, 35.37)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Power 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	23.3 (6.23, 40.37)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Power 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	12.01 (-5.83, 29.85)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Power 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	2.3 (-20.55, 25.15)	NS
Ni, 2017	Moderate	Strength/Power (Biceps Curl- Load Power 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	2.3 (-30.17, 34.77)	NS
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Velocity 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.097 (0.03, 0.16)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Velocity 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.097 (0.02, 0.17)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Velocity 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.062 (0.00, 0.12)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Velocity 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.061 (0.01, 0.11)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Velocity 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.034 (-0.02, 0.09)	NS
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Velocity 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.023 (-0.02, 0.07)	NS
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Velocity 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	-0.011 (-0.05, 0.03)	NS
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Power 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	63.1 (27.96, 98.24)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Power 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	46.3 (0.78, 91.82)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Power 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	54.8 (2.60, 107.00)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Power 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	53.4 (10.07, 96.73)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Power 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	57.5 (15.17, 99.83)	**Power-based Resistance Training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Power 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	44.8 (-4.20, 93.80)	NS
Ni, 2017	Moderate	Strength/Power (Chest Press- Load Power 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	22.7 (-31.34, 76.74)	NS
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Velocity 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.143 (0.07, 0.21)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Velocity 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.141 (0.07, 0.22)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Velocity 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.124 (0.06, 0.19)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Velocity 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.075 (0.01, 0.14)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Velocity 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.076 (0.03, 0.12)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Velocity 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.037 (-0.02, 0.10)	NS
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Velocity 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.041 (-0.01, 0.09)	NS
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Power 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	204.7 (101.80, 307.60)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Power 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	250.9 (97.36, 404.44)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Power 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	226 (94.80, 357.20)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Power 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	178.2 (49.12, 307.28)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Power 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	170.5 (29.84, 311.16)	**Power-based Resistance Training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Power 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	158.6 (12.26, 304.94)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Leg Press- Load Power 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	81.217 (-67.38, 229.81)	NS
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Velocity 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.025 (-0.00, 0.05)	NS
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Velocity 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.023 (-0.00, 0.05)	NS
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Velocity 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.028 (0.00, 0.06)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Velocity 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.022 (0.00, 0.04)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Velocity 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.022 (-0.01, 0.05)	NS
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Velocity 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.023 (-0.00, 0.05)	NS
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Velocity 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.026 (-0.00, 0.05)	NS
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Power 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	28.6 (8.09, 49.11)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Power 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	39.1 (16.88, 61.32)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Power 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	31.1 (4.02, 58.18)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Power 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	27.2 (3.19, 51.21)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Power 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	31.9 (6.68, 57.12)	**Power-based Resistance Training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Power 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	30.7 (-4.13, 65.53)	NS
Ni, 2017	Moderate	Strength/Power (Hip Abductors- Load Power 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	29.9 (0.55, 59.25)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Velocity 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.061 (-0.02, 0.14)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Velocity 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.051 (-0.02, 0.12)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Velocity 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.037 (-0.03, 0.10)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Velocity 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.052 (0.00, 0.10)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Velocity 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.051 (0.00, 0.10)	**Power-based Resistance Training**
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Velocity 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.046 (-0.01, 0.10)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Velocity 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	0.039 (-0.02, 0.09)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Power 30%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	33.9 (-29.21, 97.01)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Power 40%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	44.2 (-16.77, 105.17)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Power 50%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	10.8 (-47.89, 69.49)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Power 60%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	23.4 (-39.55, 86.35)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Power 70%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	34.7 (-9.84, 79.24)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Power 80%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	46 (-21.95, 113.95)	NS
Ni, 2017	Moderate	Strength/Power (Seated Calf- Load Power 90%)	.	Power-based Resistance Training: 2x/week, 12 weeks	Control (Health and Education classes): 12 weeks	Mean Difference	33.1 (-44.16, 110.36)	NS
Silva-Batista, 2017	Moderate	Strength/Power (Quadriceps CSA (mm2))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	786.6 (-303.71, 1876.91)	NS
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Vastus Lateralis (µV))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	38.2 (24.33, 52.07)	**Resistance training**
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Vastus Medialis (µV))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	21.9 (3.04, 40.76)	**Resistance training**
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Gastrocnemius Medialis (µV))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	50 (34.89, 65.11)	**Resistance training**
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Vastus Lateralis (Hz))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	43.7 (-91.87, 179.27)	NS
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Vastus Medialis (Hz))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	41.9 (-85.10, 168.90)	NS
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Gastrocnemius Medialis (Hz))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	35.3 (14.93, 55.67)	**Resistance training**
Silva-Batista, 2017	Moderate	Strength/Power (PT (peak torque) of Knee Extensor (Nm))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	41.2 (19.12, 63.28)	**Resistance training**
Silva-Batista, 2017	Moderate	Strength/Power (PT (peak torque) of Plantarflexor (Nm))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	32.9 (13.78, 52.02)	**Resistance training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2017	Moderate	Strength/Power (RTD (rate of torque development) of Knee Extensor (Nm/s))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	65.6 (-98.88, 230.08)	NS
Silva-Batista, 2017	Moderate	Strength/Power (RTD (rate of torque development) of Plantarflexor (Nm/s))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	49.3 (11.57, 87.03)	**Resistance training**
Silva-Batista, 2017	Moderate	ROM (HRT (half relaxation time) of Knee Extensor (ms))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	-7 (-70.85, 56.85)	NS
Silva-Batista, 2017	Moderate	ROM (HRT (half relaxation time) of Plantarflexor (m/s))	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	-12.1 (-48.71, 24.51)	NS
Silva-Batista, 2017	Moderate	Strength/Power (Quadriceps CSA (mm2))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	313.7 (-844.71, 1472.11)	NS
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Vastus Lateralis (µV))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	51.2 (30.56, 71.84)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Vastus Medialis (µV))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	48 (33.46, 62.54)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Gastrocnemius Medialis (µV))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	70.8 (54.85, 86.75)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Vastus Lateralis (Hz))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	113.1 (-15.83, 242.03)	NS
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Vastus Medialis (Hz))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	97.9 (-26.32, 222.12)	NS
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Gastrocnemius Medialis (Hz))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	110.4 (79.36, 141.44)	**Resistance training with Instability (RTI)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2017	Moderate	Strength/Power (PT (peak torque) of Knee Extensor (Nm))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	39 (10.29, 67.71)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (PT (peak torque) of Plantarflexor (Nm))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	58.1 (39.99, 76.21)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (RTD (rate of torque development) of Knee Extensor (Nm/s))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	158 (6.94, 309.06)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (RTD (rate of torque development) of Plantarflexor (Nm/s))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	138.8 (92.39, 185.21)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	ROM (HRT (half relaxation time) of Knee Extensor (ms))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	-0.9 (-55.94, 54.14)	NS
Silva-Batista, 2017	Moderate	ROM (HRT (half relaxation time) of Plantarflexor (m/s))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 1x/week, 12 weeks	Mean Difference	-38.1 (-76.62, 0.42)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (More affected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.199 (-0.10, 0.50)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (Less affected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.193 (-0.15, 0.54)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee extension (Sum) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.379 (-0.23, 0.99)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (More affected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.061 (-0.12, 0.24)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (Less affected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.052 (-0.13, 0.23)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee flexion (Sum) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.124 (-0.22, 0.47)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak work load (w/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0 (-0.49, 0.49)	NS
Demonceau, 2017	Moderate	Gait speed (Speed (m/s))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.05 (-0.14, 0.04)	NS
Demonceau, 2017	Moderate	Stride (Stride length)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.1 (-0.20, -0.00)	**Control (Standard care)**
Demonceau, 2017	Moderate	Step (Cadence)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.04 (-0.00, 0.08)	NS
Demonceau, 2017	Moderate	Mobility (TUG)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0 (-0.18, 0.18)	NS
Demonceau, 2017	Moderate	Walk test (6MWT (m))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	3 (-60.44, 66.44)	NS
Hewitt, 2018	Moderate	Physical performance (SPPB)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Physical performance (SPPB)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Mobility (UAB-LSA)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Mobility (UAB-LSA)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Fall Fear/Risk (FES-I)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Fall Fear/Risk (FES-I)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Falls (Number of fallers (_x001A_1))	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	RD	.(.,.)	NS
Hewitt, 2018	Moderate	Falls (Number of fallers (_x001A_5))	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	RD	.(.,.)	NS
Hewitt, 2018	Moderate	Falls (Falls rate)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	UPDRS II ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-2 (-4.69, 0.69)	NS
Morris, 2017	High	UPDRS II ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-2 (-5.21, 1.21)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.9 (-1.92, 0.12)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.4 (-1.81, 1.01)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-2.6 (-10.62, 5.42)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	2.2 (-7.78, 12.18)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.2 (-1.29, 1.69)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.1 (-1.57, 1.77)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	4.1 (-1.14, 9.34)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	5.7 (0.10, 11.30)	**Specific exercise (Muscle strengthening and turning training)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.01 (-0.03, 0.01)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.02 (-0.04, -0.00)	**Control exercise (Trunk exercise and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-0.05, 0.05)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.05, 0.07)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.04 (-0.06, 0.14)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.05 (-0.06, 0.16)	NS
Cheng, 2016	High	Balance (Tinetti (Balance))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.8 (-1.25, 2.85)	NS
Cheng, 2016	High	Balance (Tinetti (Balance))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.7 (-1.48, 2.88)	NS
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.9 (-2.27, 0.47)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1.3 (-2.91, 0.31)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion-Anterior) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	16.1 (5.10, 27.10)	**Specific exercise (Muscle strengthening and turning training)**
Cheng, 2016	High	Stability (LOS (Maximal excursion-Anterior) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	16.1 (5.19, 27.01)	**Specific exercise (Muscle strengthening and turning training)**
Cheng, 2016	High	Stability (LOS (Maximal excursion-Lateral) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	9.6 (-2.58, 21.78)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion-Lateral) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	4 (-7.29, 15.29)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	48 (-56.64, 152.64)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	39.6 (-61.50, 140.70)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	106.3 (-16.59, 229.19)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	102.9 (-15.72, 221.52)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	82.6 (-18.96, 184.16)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	67.7 (-20.90, 156.30)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	20.5 (-25.14, 66.14)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	16.2 (-28.55, 60.95)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	33.2 (-22.84, 89.24)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	51.1 (-0.61, 102.81)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	25.1 (-25.89, 76.09)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	9.5 (-34.00, 53.00)	NS
Silva-Batista, 2016	Moderate	Mobility (TUG)	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2016	Moderate	Strength/Power (Leg press 1RM)	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	Mobility (TUG)	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	Strength/Power (Leg press 1RM)	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis, p = 0.007	N/A	NS
Ni, 2016	Moderate	Strength/Power (Strength (Bicep curl))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	2.8 (2.80, 2.80)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Chest press))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	3.7 (3.70, 3.70)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Leg press))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	15.2 (15.20, 15.20)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Hip abduction))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	10.4 (10.40, 10.40)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Seated calf))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	29.2 (29.20, 29.20)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Power-Biceps curl (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	11.9 (-2.19, 25.99)	NS
Ni, 2016	Moderate	Strength/Power (Power-Chest press (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	55.2 (17.28, 93.12)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Power-Leg press (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	196.8 (126.17, 267.43)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Power-Abduction (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	29.2 (7.51, 50.89)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Power-Seated calf (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	50.9 (0.96, 100.84)	**Power Training (High-speed resistance training combined balance and agility drills)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Balance (BBS)	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	4 (2.32, 5.68)	**Power training**
Ni, 2012	High	Balance (Mini BESTest)	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	2.7 (1.42, 3.98)	**Power training**
Ni, 2012	High	Mobility (TUG)	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-1.6 (-2.77, -0.43)	**Power training**
Ni, 2012	High	Balance (Functional Reach Test (more affected side (cm)))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	4.2 (0.89, 7.51)	**Power training**
Ni, 2012	High	Balance (Functional Reach Test (less affected side (cm)))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	4.2 (1.69, 6.71)	**Power training**
Ni, 2012	High	Stance duration (SLS more affected side (sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	4.3 (-9.52, 18.12)	NS
Ni, 2012	High	Stance duration (SLS less affected side (sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	8.4 (-4.33, 21.13)	NS
Ni, 2012	High	Walk test (10-MWT (Usual walk speed) (m/s))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.15 (0.08, 0.22)	**Power training**
Ni, 2012	High	Walk test (10-MWT (Maximal walk speed) (m/s))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.158 (0.06, 0.26)	**Power training**
Ni, 2012	High	Strength/Power (Leg press (Strength) (kg)/BW (kg))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.192 (0.07, 0.31)	**Power training**
Ni, 2012	High	Strength/Power (Leg press (Peak power) (W)/BW (kg))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	2.69 (1.87, 3.51)	**Power training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): COParea (cm2))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0 (-0.48, 0.48)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.51 (-1.82, 0.80)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.28 (-1.09, 1.65)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.02 (-0.05, 0.09)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.02 (-0.11, 0.15)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): Vavg (cm/sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.18 (-0.73, 1.09)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): COParea (cm2))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.1 (-0.67, 0.87)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.91 (-2.34, 0.52)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.39 (-0.91, 1.69)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.05 (-0.07, 0.17)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.08 (-0.09, 0.25)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): Vavg (cm/sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.03 (-0.71, 0.77)	NS
Mateos-Toset, 2016	High	Hand/UE dexterity (Purdue Pegboard Test (Dominant hand))	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Hand/UE dexterity (Purdue Pegboard Test (Non-dominant hand))	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Hand/UE dexterity (Purdue Pegboard Test (Both hands))	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Hand/UE dexterity (Purdue Pegboard Test (Assembly))	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Hand/UE dexterity (COTNAB Dexterity task- Dominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Hand/UE dexterity (COTNAB Dexterity task- Nondominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Hand/UE dexterity (COTNAB Dexterity task- Bimanual)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Strength/Power (Grip strength- Dominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Strength/Power (Grip strength- Nondominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Strength/Power (Lateral pinch strength- Dominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Strength/Power (Lateral pinch strength- Nondominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Strength/Power (Distal pinch strength- Dominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Mateos-Toset, 2016	High	Strength/Power (Distal pinch strength-Nondominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Strength/Power (Tripod pinch strength-Dominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Mateos-Toset, 2016	High	Strength/Power (Tripod pinch strength-Nondominant hand)	.	Hand Training Exercises: One 15min session	Control (Active upper limb ROM exercises): One 15min session	Author Reported	N/A	NS
Dibble, 2015	High	Strength/Power (Average force (N) (On-medication))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	-3.83 (-76.61, 68.95)	NS
Dibble, 2015	High	Strength/Power (Average force (N) (Off-medication))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	-3.88 (-76.11, 68.35)	NS
Dibble, 2015	High	Strength/Power (Muscle CSA (cm2) (On-medication))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	-13.51 (-30.18, 3.16)	NS
Dibble, 2015	High	Gait assessment (FGA (On-medication))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	1.85 (-2.71, 6.41)	NS
Dibble, 2015	High	Gait assessment (FGA (Off-medication))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	0.7 (-4.15, 5.55)	NS
Dibble, 2015	High	Walk test (6MWT (on medication) (m))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	77.61 (-36.88, 192.10)	NS
Dibble, 2015	High	Walk test (6MWT (off medication) (m))	.	RENEW (Resistance Exercise via Negative Eccentric Work): 1hr/session, 12 weeks	Control (Standard care): 1hr/session, 12 weeks	Mean Difference	-23.44 (-132.19, 85.31)	NS
Morris, 2015	High	Falls (Falls rate)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-720 (-724.79, -715.21)	**Progressive Resistance Strength Training**
Morris, 2015	High	Falls (Fallers)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-1 (-21.19, 19.19)	NS
Morris, 2015	High	UPDRS II ( )	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-0.3 (-2.51, 1.91)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2015	High	UPDRS II ( )	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-3.1 (-5.54, -0.66)	**Progressive Resistance Strength Training**
Morris, 2015	High	Gait speed (Walking speed)	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	0.02 (-0.09, 0.13)	NS
Morris, 2015	High	Gait speed (Walking speed)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	0.05 (-0.08, 0.18)	NS
Morris, 2015	High	Mobility (TUG)	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-0.3 (-2.37, 1.77)	NS
Morris, 2015	High	Mobility (TUG)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-3.5 (-8.83, 1.83)	NS
Canning, 2015	High	Falls (Falls rate)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-2.9 (-11.01, 5.21)	NS
Canning, 2015	High	Falls (Fallers)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	RR	0.93(0.78,1.12)	NS
Canning, 2015	High	Falls (Falls rate)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-5.8 (-13.37, 1.77)	NS
Canning, 2015	High	Falls (Fallers)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	RR	0.69(0.52,0.90)	**Exercise group (PD-WEBB program; progressive balance and lower limb strengthening)**
Canning, 2015	High	Falls (Falls rate)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.5 (-9.19, 10.19)	NS
Canning, 2015	High	Falls (Fallers)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	RR	1.00(0.83,1.20)	NS
Canning, 2015	High	Fall Fear/Risk (PD Fall Risk Score)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-0.04 (-0.12, 0.04)	NS
Canning, 2015	High	Strength/Power (Knee extensor strength (N))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.2 (-2.44, 2.84)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Canning, 2015	High	Stability (Coordinated stability test (error score))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-0.8 (-4.90, 3.30)	NS
Canning, 2015	High	Physical performance (SPPB)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.05 (-0.05, 0.15)	NS
Canning, 2015	High	Gait speed (4m fast walk speed (m/s))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.06 (-0.06, 0.18)	NS
Canning, 2015	High	Mobility (5T Sit-to-Stand (stand/s))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.01 (-0.04, 0.06)	NS
Canning, 2015	High	FOG ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-1.4 (-2.91, 0.11)	NS
Canning, 2015	High	Fall Fear/Risk (FES-I)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-3.3 (-5.98, -0.62)	**Exercise group (PD-WEBB program; progressive balance and lower limb strengthening)**
Canning, 2015	High	ADL (ADL (hr/day))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0 (-0.34, 0.34)	NS
Paul, 2014	Moderate	Strength/Power (Peak muscle power- Leg extensors (W))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	57.6 (-41.02, 156.22)	NS
Paul, 2014	Moderate	Strength/Power (Peak muscle power- Knee flexors (W))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	44.6 (-3.15, 92.35)	NS
Paul, 2014	Moderate	Strength/Power (Peak muscle power- Hip flexors (W))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	84.1 (20.52, 147.68)	**Leg muscle power training (using pneumatic variable resistance equipment)**
Paul, 2014	Moderate	Strength/Power (Peak muscle power- Hip abductors (W))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	45.1 (18.34, 71.86)	**Leg muscle power training (using pneumatic variable resistance equipment)**
Paul, 2014	Moderate	Strength/Power (Maximal muscle strength- Leg extensors (N))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	102.1 (-73.96, 278.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Paul, 2014	Moderate	Strength/Power (Maximal muscle strength- Knee flexors (Nm))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	14.6 (-35.37, 64.57)	NS
Paul, 2014	Moderate	Strength/Power (Maximal muscle strength- Hip flexors (Nm))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	19.3 (4.67, 33.93)	**Leg muscle power training (using pneumatic variable resistance equipment)**
Paul, 2014	Moderate	Strength/Power (Maximal muscle strength- Hip abductors (Nm))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	13 (2.67, 23.33)	**Leg muscle power training (using pneumatic variable resistance equipment)**
Paul, 2014	Moderate	Strength/Power (Instantaneous speed at peak power- Leg extensors (m/s))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	0.08 (-0.04, 0.20)	NS
Paul, 2014	Moderate	Strength/Power (Instantaneous speed at peak power- Knee flexors (rad/s))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	0.14 (0.05, 0.23)	**Leg muscle power training (using pneumatic variable resistance equipment)**
Paul, 2014	Moderate	Strength/Power (Instantaneous speed at peak power- Hip flexors (rad/s))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	0.34 (-0.22, 0.90)	NS
Paul, 2014	Moderate	Strength/Power (Instantaneous speed at peak power- Hip abductors (rad/s))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	0.5 (0.11, 0.89)	**Leg muscle power training (using pneumatic variable resistance equipment)**
Paul, 2014	Moderate	Strength/Power (Time to peak power- Leg extensors (ms))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	5.4 (-66.86, 77.66)	NS
Paul, 2014	Moderate	Strength/Power (Time to peak power- Knee flexors (ms))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	-24.7 (-60.74, 11.34)	NS
Paul, 2014	Moderate	Strength/Power (Time to peak power- Hip flexors (ms))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	9.4 (-46.95, 65.75)	NS
Paul, 2014	Moderate	Strength/Power (Time to peak power- Hip abductors (ms))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	-28.5 (-63.16, 6.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Paul, 2014	Moderate	Strength/Power (Shoulder flexors and elbow extensors- Peak muscle power (W))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	18.1 (-17.26, 53.46)	NS
Paul, 2014	Moderate	Strength/Power (Shoulder flexors and elbow extensors- Maximal strength (N))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	19.2 (-9.50, 47.90)	NS
Paul, 2014	Moderate	Gait speed (Preferred walking speed (m/s))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	0.1 (-0.10, 0.30)	NS
Paul, 2014	Moderate	Gait speed (Fast walking speed (m/s))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	0.11 (-0.13, 0.35)	NS
Paul, 2014	Moderate	Mobility (TUG)	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Author Reported - Wilcoxon-Mann-Whitney	N/A	NS
Paul, 2014	Moderate	Step (Choice stepping reaction time (sec))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	-2.3 (-8.74, 4.14)	NS
Paul, 2014	Moderate	Balance (Maximal balance range (cm))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	3.3 (-0.13, 6.73)	NS
Paul, 2014	Moderate	Stance duration (Single leg stand time (sec))	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	-4.9 (-13.91, 4.11)	NS
Paul, 2014	Moderate	FOG (NFOGQ)	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	-1.6 (-7.30, 4.10)	NS
Goodwin, 2011	High	Fall Fear/Risk (FES-I)	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.09(-0.18,0.01)	**Exercise program group favored over Control**
Goodwin, 2011	High	Fall Fear/Risk (FES-I)	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.05(-0.14,0.04)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Goodwin, 2011	High	Balance (BBS)	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.34(-0.54,-0.14)	**Exercise program group favored over Control**
Goodwin, 2011	High	Balance (BBS)	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.43(-0.63,-0.24)	**Exercise program group favored over Control**
Goodwin, 2011	High	Mobility (TUG)	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.00(0.00,0.00)	NS
Goodwin, 2011	High	Mobility (TUG)	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.01(-0.01,0.01)	NS
Allen, 2010	High	Fall Fear/Risk (PD Fall Risk Score)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Strength/Power (Knee extensor (Affected leg) (N))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Strength/Power (Knee extensor (Non-affected leg) (N))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Strength/Power (Knee extensor strength (N))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Stability (Coordinated Stability (errors))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Amount of sway (Sway on floor (mm))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Amount of sway (Sway on foam (mm))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Balance (Maximum balance range in standing (mm))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Step (Alternate step test (sec))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	FOG (FOG (Yes/No))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Allen, 2010	High	FOG ( )	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Mobility (5T Sit-to-Stand)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Gait speed (Fast walking speed (m/s))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Gait speed (Comfortable gait speed (m/s))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Physical performance (SPPB)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Fall Fear/Risk (FES-I)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Yousefi, 2009	Moderate	ADL (Subscale of SPES/SCOPA))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	-1.6 (-2.54, -0.66)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Mak, 2008	Moderate	Gait velocity (Peak horizontal velocity (m/s))	.	Conventional exercise (Mobility and strengthening exercises): 45min, 2x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak horizontal velocity (m/s))	2 wks	Conventional exercise (Mobility and strengthening exercises): 45min, 2x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak vertical velocity (m/s))	.	Conventional exercise (Mobility and strengthening exercises): 45min, 2x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak vertical velocity (m/s))	2 wks	Conventional exercise (Mobility and strengthening exercises): 45min, 2x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Mobility (Movement time (sec))	.	Conventional exercise (Mobility and strengthening exercises): 45min, 2x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Mobility (Movement time (sec))	2 wks	Conventional exercise (Mobility and strengthening exercises): 45min, 2x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Schenkman, 1998	Moderate	ROM (Functional axial rotation- Physical (°))	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	12.43 (3.66, 21.20)	**Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and i**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 1998	Moderate	Balance (Functional Reach Test)	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	0.73 (-0.26, 1.72)	NS
Schenkman, 1998	Moderate	Transfers (Supine to stand (sec))	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	0.45 (-0.98, 1.88)	NS
Schenkman, 1998	Moderate	ROM (Functional axial rotation- Visual (°))	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	9.7 (1.70, 17.70)	**Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and i**
Schenkman, 1998	Moderate	Transfers (Stand to supine (sec))	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	0.71 (-0.32, 1.74)	NS
Schenkman, 1998	Moderate	Turning (360° Turn test (sec))	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	-0.83 (-2.21, 0.55)	NS
Schenkman, 1998	Moderate	Turning (360° Turn test (steps))	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	-1.28 (-2.63, 0.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 1998	Moderate	Walk test (6MWT (ft))	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	44.5 (-30.92, 119.92)	NS
Schenkman, 1998	Moderate	Walk test (10MWT time)	.	Supervised Individualized Exercise Program (designed to enhance participation of appropriate synergistic_x000D_muscles, not to increase strength; taught to decrease participation of overactive muscles and increase participation of muscles not active enough to achieve desired movement): 45min-1hr/session, 30 sessions, 10 weeks	Control (Usual care): 10 weeks	Mean Difference	0.51 (0.08, 0.94)	**Control (Usual care)**
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	10.15 (-2.35, 22.65)	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	6.93 (-9.99, 23.85)	NS
Liao, 2015	High	Stride (Stride length (level walking))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	13.36 (-0.66, 27.38)	NS
Liao, 2015	High	Stride (Stride length (level walking))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	13.2 (-5.14, 31.54)	NS
Liao, 2015	High	Gait assessment (FGA)	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	3.33 (0.25, 6.41)	**Traditional exercise (Strength/Balance training) and treadmill training**
Liao, 2015	High	Gait assessment (FGA)	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	3.09 (-0.14, 6.32)	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	19.6 (-0.31, 39.51)	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	26.9 (9.49, 44.31)	**Traditional exercise (Strength/Balance training) and treadmill training**
Liao, 2015	High	Strength/Power (Hip extensors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	21.2 (-2.64, 45.04)	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	16.5 (-7.41, 40.41)	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	24.1 (3.85, 44.35)	**Traditional exercise (Strength/Balance training) and treadmill training**
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	25.3 (4.01, 46.59)	**Traditional exercise (Strength/Balance training) and treadmill training**
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	33.4 (10.05, 56.75)	**Traditional exercise (Strength/Balance training) and treadmill training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	28.3 (-0.54, 57.14)	NS
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	29.8 (10.52, 49.08)	**Traditional exercise (Strength/Balance training) and treadmill training**
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	23.9 (2.91, 44.89)	**Traditional exercise (Strength/Balance training) and treadmill training**
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	22.9 (-3.07, 48.87)	NS
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	19.6 (-7.08, 46.28)	NS
Amara, 2020	Moderate	PVT (Psychomotor vigilance task) (PVT mean RRT (reciprocal reaction time))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	PVT (Psychomotor vigilance task) (PVT Lapses)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Kadkhodaie, 2020	Moderate	Tremor (Maximum resting tremor)	.	Upper limb pure eccentric training: 35-45min, 3x/wk, 6 weeks	Control (Usual care & physical activity): 6 weeks	Author Reported - MW U test	N/A	NS
Kadkhodaie, 2020	Moderate	Tremor (Mean resting tremor)	.	Upper limb pure eccentric training: 35-45min, 3x/wk, 6 weeks	Control (Usual care & physical activity): 6 weeks	Author Reported - MW U test	N/A	NS
Kadkhodaie, 2020	Moderate	Tremor (Postural tremor)	.	Upper limb pure eccentric training: 35-45min, 3x/wk, 6 weeks	Control (Usual care & physical activity): 6 weeks	Author Reported - MW U test	N/A	NS
De Lima, 2019	High	Strength/Power (Muscle strength (Right hand))	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
De Lima, 2019	High	Strength/Power (Muscle strength (Left hand))	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
De Lima, 2019	High	Mobility (TUG)	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
De Lima, 2019	High	Flexibility (Flexibility (cm))	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Lima, 2019	High	Mobility (2MST (repetitions))	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
De Lima, 2019	High	Gait velocity (Velocity)	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
Vieira de Moraes Filho, 2020	Moderate	Mobility (30S Chair Stand Test (reps))	.	Progressive Resistance Training Program: 50-60min, 2x/week, 9 weeks	Control (PD lectures)	Author Reported - ANOVA	N/A	NS
Vieira de Moraes Filho, 2020	Moderate	Mobility (TUG)	.	Progressive Resistance Training Program: 50-60min, 2x/week, 9 weeks	Control (PD lectures)	Author Reported - ANOVA	N/A	NS
Vieira de Moraes Filho, 2020	Moderate	Walk test (10MWT (m/s))	.	Progressive Resistance Training Program: 50-60min, 2x/week, 9 weeks	Control (PD lectures)	Author Reported - ANOVA	N/A	NS
Vieira de Moraes Filho, 2020	Moderate	Strength/Power (Knee extensor isokinetic peak torque (Nm))	.	Progressive Resistance Training Program: 50-60min, 2x/week, 9 weeks	Control (PD lectures)	Author Reported - ANOVA	N/A	NS
Vieira de Moraes Filho, 2020	Moderate	Strength/Power (Knee extensor isokinetic peak torque (Nm/kg))	.	Progressive Resistance Training Program: 50-60min, 2x/week, 9 weeks	Control (PD lectures)	Author Reported - ANOVA	N/A	NS
Collett, 2017	Moderate	Walk test (2MWT (m))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Walk test (2MWT (m))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Hand/UE dexterity (9-HPT (sec))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Hand/UE dexterity (9-HPT (sec))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Mobility (TUG)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Mobility (TUG)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Strength/Power (Leg power (watts))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Strength/Power (Leg power (watts))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Strength/Power (Grip strength)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	Strength/Power (Grip strength)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Table 3332: PICO 2a- Resistance/Strength training vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ortiz-Rubio, 2018	High	Fatigue (Piper Fatigue Scale (Behavioral/Severity))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	0.4 (-0.77, 1.57)	NS
Ortiz-Rubio, 2018	High	Fatigue (Piper Fatigue Scale (Affective))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	1.1 (-0.46, 2.66)	NS
Ortiz-Rubio, 2018	High	Fatigue (Piper Fatigue Scale (Sensory))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	0.8 (-0.69, 2.29)	NS
Ortiz-Rubio, 2018	High	Fatigue (Piper Fatigue Scale (Cognitive/Mood))	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	0.4 (-1.06, 1.86)	NS
Ortiz-Rubio, 2018	High	Fatigue (Piper Fatigue Scale Total)	.	Group Resistance Training Program (Elastic bands): 1hr, 2x/week, 8 weeks	Control (Low Intensity Exercise Program): 8 weeks	Mean Difference	-0.6 (-2.95, 1.75)	NS
Landers, 2019	High	Fatigue (PFS-16)	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0.6 (-0.23, 1.43)	NS
Landers, 2019	High	Fatigue (PFS-16)	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	0 (-0.83, 0.83)	NS
Ferreira, 2018	High	Anxiety (BAI)	.	Resistance training program: 30-40min, 2x/week, 24 weeks	Control (Standard pharmacological treatment)	Mean Difference	-7.7 (-12.88, -2.52)	**Resistance training program**
Silva-Batista, 2018	High	Cognition (MoCA)	.	Resistance training: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	0.6 (-3.29, 4.49)	NS
Silva-Batista, 2018	High	Cognition (MoCA)	.	Resistance training with instability: 2x/week, 12 weeks	Control (Non-exercise) (Bingo games/PD lectures): 1hr, 2x/week, 12 weeks	Mean Difference	5.2 (1.43, 8.97)	**Resistance training with instability**
Hewitt, 2018	Moderate	Cognition (ACE-R)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Cognition (ACE-R)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.1-1.6))	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.27 (-0.63, 1.17)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.1-1.6))	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.44 (-0.68, 1.56)	NS
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.7-1.13))	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-0.16 (-1.52, 1.20)	NS
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.7-1.13))	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.33 (-1.92, 2.58)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA)	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Visuoexecutive))	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.5 (-0.50, 1.50)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Naming))	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.2 (-0.02, 0.42)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Attention))	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	-0.7 (-1.94, 0.54)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Language))	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.1 (-0.06, 0.26)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Abstraction))	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.3 (-0.24, 0.84)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Delayed Recall))	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	-0.1 (-1.41, 1.21)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Orientation))	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.3 (-0.74, 1.34)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA)	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Visuoexecutive))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	1.5 (0.79, 2.21)	**Resistance training with Instability (RTI)**
Silva-Batista, 2016	Moderate	Cognition (MoCA (Naming))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.2 (-0.02, 0.42)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2016	Moderate	Cognition (MoCA (Attention))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	1.3 (0.18, 2.42)	**Resistance training with Instability (RTI)**
Silva-Batista, 2016	Moderate	Cognition (MoCA (Language))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.1 (-0.06, 0.26)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Abstraction))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.5 (0.07, 0.93)	**Resistance training with Instability (RTI)**
Silva-Batista, 2016	Moderate	Cognition (MoCA (Delayed Recall))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	0.3 (-1.28, 1.88)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Orientation))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Mean Difference	1.5 (0.68, 2.32)	**Resistance training with Instability (RTI)**
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	0.1 (-1.91, 2.11)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	1.5 (-0.65, 3.65)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	5.9 (-0.07, 11.87)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	6.1 (-2.32, 14.52)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	16.2 (0.89, 31.51)	**Traditional exercise (Strength/Balance training) and treadmill training**
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	12.7 (0.04, 25.36)	**Traditional exercise (Strength/Balance training) and treadmill training**
Amara, 2020	Moderate	Sleep (Sleep efficiency)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (WASO (Wake after sleep onset))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (Total sleep time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Amara, 2020	Moderate	Sleep (Sleep latency)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep ((-) N1 time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N1 %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N2 time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N2 %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N3 time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (N3 %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (REM time (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (REM %)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (REM latency (min))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (Arousal index)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (AHI (events/hr))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (PLMS index)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (% REM with RWA)	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Amara, 2020	Moderate	Sleep (PSQI (Pittsburgh Sleep Quality Index))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Sleep (ESS (Epworth Severity Scale))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
Amara, 2020	Moderate	Fatigue (FSS (Fatigue Severity Scale))	.	Supervised exercise training (Resistance training and body weight functional mobility exercises): 3x/wk, 16 weeks	Control (Sleep hygiene, No exercise): Handouts and discussions, 16 weeks	Author Reported	N/A	NS
De Lima, 2019	High	Depression (HAM-D)	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
Collett, 2017	Moderate	Non-motor symptoms questionnaire ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Non-motor symptoms questionnaire ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Fatigue (FSS (Fatigue Severity Scale))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Fatigue (FSS (Fatigue Severity Scale))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 3433: PICO 2a- Resistance/Strength training vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	Activity of intracellular antioxidant enzymes (SOD1 (ng/mL))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-0.08 (-0.27, 0.11)	NS
Landers, 2019	High	Activity of intracellular antioxidant enzymes (SOD1 (ng/mL))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-0.07 (-0.18, 0.04)	NS
Silva-Batista, 2017	Moderate	Presynaptic inhibition (Presynaptic inhibition (Soleus H-reflex assessment))	.	Resistance training with Instability: 2x/week, 12 weeks	Control (Non-exercise)	Author Reported - Post hoc test with Turkey's adjustment	40.90(16.80,64.90)	**RTI group favored over Control**
Silva-Batista, 2017	Moderate	Presynaptic inhibition (Presynaptic inhibition (Soleus H-reflex assessment))	.	Resistance training with Instability: 2x/week, 12 weeks	Control (Non-exercise)	Author Reported - Post hoc test with Turkey's adjustment	31.60(22.20,40.90)	**RTI group favored over Control**
Demonceau, 2017	Moderate	HR (bpm) ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	4 (-12.40, 20.40)	NS
Alves, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum inspiratory pressures (cmH2O))	.	Strength training: 30-40min, 2x/week, 16 weeks	Control (Standard pharmacological treatment alone)	Author Reported	N/A	NS
Alves, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum expiratory pressures (cmH2O))	.	Strength training: 30-40min, 2x/week, 16 weeks	Control (Standard pharmacological treatment alone)	Author Reported	N/A	NS
Alves, 2019	Moderate	Peak expiratory flow ((L/min))	.	Strength training: 30-40min, 2x/week, 16 weeks	Control (Standard pharmacological treatment alone)	Author Reported	N/A	NS

Table 3534: PICO 2a- Resistance/Strength training vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ferreira, 2018	High	PDQ-39 ( )	.	Resistance training program: 30-40min, 2x/week, 24 weeks	Control (Standard pharmacological treatment)	Mean Difference	-15.52 (-29.16, -1.88)	**Resistance training program**
Santos, 2017	High	PDQ-39 ( )	.	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-6.4 (-9.63, -3.17)	**Experimental group (Progressive resistance exercise)**
Santos, 2017	High	PDQ-39 ( )	4 wks	Experimental group (Progressive resistance exercise): 60-70min, 2x/week, 8 weeks	Control (Usual physical activity)	Mean Difference	-5.07 (-8.59, -1.55)	**Experimental group (Progressive resistance exercise)**
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	7.5 (-9.27, 24.27)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	16 (-17.11, 49.11)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	1 (-10.47, 12.47)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	9 (-5.99, 23.99)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-5 (-17.00, 7.00)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-1 (-18.98, 16.98)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	3 (-7.38, 13.38)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	6 (-8.99, 20.99)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-17 (-34.00, 0.00)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-15 (-30.00, 0.00)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-1 (-14.62, 12.62)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	6 (-8.18, 20.18)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0 (-35.36, 35.36)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	29 (-25.23, 83.23)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0 (-13.06, 13.06)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	4 (-16.98, 24.98)	NS
Demonceau, 2017	Moderate	PDQ-39 (% change between pre- and post-training evaluations)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0 (-7.47, 7.47)	NS
Demonceau, 2017	Moderate	PDQ-39 (% change between pre- and post-training evaluations)	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	8 (-1.89, 17.89)	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 PCS)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 PCS)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 MCS)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 MCS)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 Total)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 Total)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	EQ-5D (EQ5D-5L)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	EQ-5D (EQ5D-5L)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Morris, 2017	High	PDQ-39 ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	1 (-4.01, 6.01)	NS
Morris, 2017	High	PDQ-39 ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0 (-5.10, 5.10)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	EQ-5D (EQ-5D VAS)	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-8 (-12.85, -3.15)	**Placebo (Life Skills Program)**
Morris, 2017	High	EQ-5D (EQ-5D VAS)	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	1 (-4.86, 6.86)	NS
Morris, 2017	High	EQ-5D (EQ-5D Index)	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.01 (-0.09, 0.11)	NS
Morris, 2017	High	EQ-5D (EQ-5D Index)	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.03 (-0.07, 0.13)	NS
Silva-Batista, 2016	Moderate	PDQ-39 ( )	.	Resistance training: 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	PDQ-39 ( )	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Control (No exercise): Bingo games, lectures: 1hr, 1x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-3.5 (-9.75, 2.75)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-1.9 (-3.82, 0.02)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-0.9 (-2.74, 0.94)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-0.5 (-1.78, 0.78)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-1.6 (-3.24, 0.04)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-0.3 (-1.80, 1.20)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	0.4 (-1.09, 1.89)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	0.4 (-2.04, 2.84)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2016	Moderate	PDQ-39 ( )	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-7.7 (-16.35, 0.95)	NS
Ni, 2016	Moderate	PDQ-39 ( )	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-7.7 (-16.35, 0.95)	NS
Morris, 2015	High	PDQ-39 ( )	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	0.4 (-4.13, 4.93)	NS
Morris, 2015	High	PDQ-39 ( )	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-4.1 (-8.73, 0.53)	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-2.9 (-8.53, 2.73)	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	2.6 (-2.98, 8.18)	NS
Canning, 2015	High	SF-12 (SF-12 PCS)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	1.1 (-1.11, 3.31)	NS
Canning, 2015	High	SF-12 (SF-12 MCS)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.9 (-0.84, 2.64)	NS
Canning, 2015	High	SF-6D Utility score ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.02 (-0.01, 0.05)	NS
Canning, 2015	High	PDQ-39 ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-2.8 (-6.87, 1.27)	NS
Canning, 2015	High	Positive affect scale ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	1.5 (-0.37, 3.37)	NS
Goodwin, 2011	High	EQ-5D ( )	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-1.40(-3.63,3.48)	NS
Goodwin, 2011	High	EQ-5D ( )	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.55(-4.40,3.34)	NS
Allen, 2010	High	PDQ-39 ( )	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yousefi, 2009	Moderate	PDQL (PDQL (Parkinson's symptoms))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	9.6 (2.30, 16.90)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL (Systemic symptoms))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	4.8 (1.83, 7.77)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL (Emotional functioning))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	-0.4 (-3.04, 2.24)	NS
Yousefi, 2009	Moderate	PDQL (PDQL (Social functioning))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	3.1 (0.50, 5.70)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL Total)	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	19.8 (4.40, 35.20)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
De Lima, 2019	High	PDQ-39 ( )	.	Resistance training: 30-40min, 2x/wk, 20 weeks	Control (Standard pharmacological treatment alone): 20 weeks	Author Reported	N/A	NS
Alves, 2019	Moderate	PDQ-39 ( )	.	Strength training: 30-40min, 2x/week, 16 weeks	Control (Standard pharmacological treatment alone)	Author Reported	N/A	NS
Collett, 2017	Moderate	EQ-5D (EQ5D-5L (VAS))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	EQ-5D (EQ5D-5L (VAS))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 PCS)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 PCS)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 MCS)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 MCS)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Mohammadpour, 2018	Moderate	PDQL (PDQL (Parkinson's symptoms))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	4.94(.,.)	**Combined exercise favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Mohammadpour, 2018	Moderate	PDQL (PDQL (Systemic symptoms))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	6.97(.,.)	**Combined exercise favored over Control**
Mohammadpour, 2018	Moderate	PDQL (PDQL (Emotional functioning))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	4.45(.,.)	**Combined exercise favored over Control**
Mohammadpour, 2018	Moderate	PDQL (PDQL (Social functioning))	.	Combined Aerobic & Resistance Exercise Program (Treadmill walking/Resistance exercises): 3x/week, 8 weeks	Control (Pharmacological treatment): 8 weeks	Author Reported - T test, $p < 0.05$	5.76(.,.)	**Combined exercise favored over Control**

Table 3635: PICO 2a- Resistance/Strength training vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2019	High	IPAQ (IPAQ-vigorous (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	321.1 (-290.18, 932.38)	NS
Landers, 2019	High	IPAQ (IPAQ-vigorous (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	82.2 (-155.96, 320.36)	NS
Landers, 2019	High	IPAQ (IPAQ-moderate (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	192.8 (43.65, 341.95)	**HIBC (High Intensity Multimodal Exercise Boot Camp)**
Landers, 2019	High	IPAQ (IPAQ-moderate (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	-9.5 (-467.30, 448.30)	NS
Landers, 2019	High	IPAQ (IPAQ- walk (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	427.8 (-468.08, 1323.68)	NS
Landers, 2019	High	IPAQ (IPAQ- walk (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	116.1 (-295.52, 527.72)	NS
Landers, 2019	High	IPAQ (IPAQ- sit (min/wk))	.	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	88.6 (-80.29, 257.49)	NS
Landers, 2019	High	IPAQ (IPAQ- sit (min/wk))	6 mos	HIBC (High Intensity Multimodal Exercise Boot Camp): 3-4x/week, 8 weeks	Control (Usual Care, Low Intensity): 3-4x/week, 8 weeks	Mean Difference	60 (-160.39, 280.39)	NS
Demonceau, 2017	Moderate	PASS ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.6 (-1.75, 0.55)	NS
Demonceau, 2017	Moderate	PASS ( )	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-0.3 (-2.11, 1.51)	NS
Canning, 2015	High	Exercise ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.4 (-0.67, 1.47)	NS
Paul, 2014	Moderate	Exercise (Exercise adherence)	12 wks	Leg muscle power training (using pneumatic variable resistance equipment): 45min, 2x/week, 12 weeks	Control (Low intensity sham exercise): Home program exercises 2x/week, 12 weeks	Mean Difference	-2.4 (-8.18, 3.38)	NS
Goodwin, 2011	High	Household physical activity ( )	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.25(-0.70,0.19)	NS
Goodwin, 2011	High	Household physical activity ( )	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.25(-0.70,0.19)	NS
Goodwin, 2011	High	Recreational physical activity ( )	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.43(-0.05,0.90)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Goodwin, 2011	High	Recreational physical activity ( )	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.61(0.12,1.10)	**Exercise program group favored over Control**
Collett, 2017	Moderate	PASE ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	PASE ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 3736: PICO 2a- Resistance/Strength training vs. Control- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	VO2 (VO2 peak)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	-1.4 (-7.00, 4.20)	NS
Demonceau, 2017	Moderate	Respiratory exchange ratio ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Control (Standard care)	Mean Difference	0.05 (-0.02, 0.12)	NS
Collett, 2017	Moderate	VO2 (VO2max to L/min)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	VO2 (VO2max to L/min)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Figure 13: Meta-analysis- UPDRS III (post)

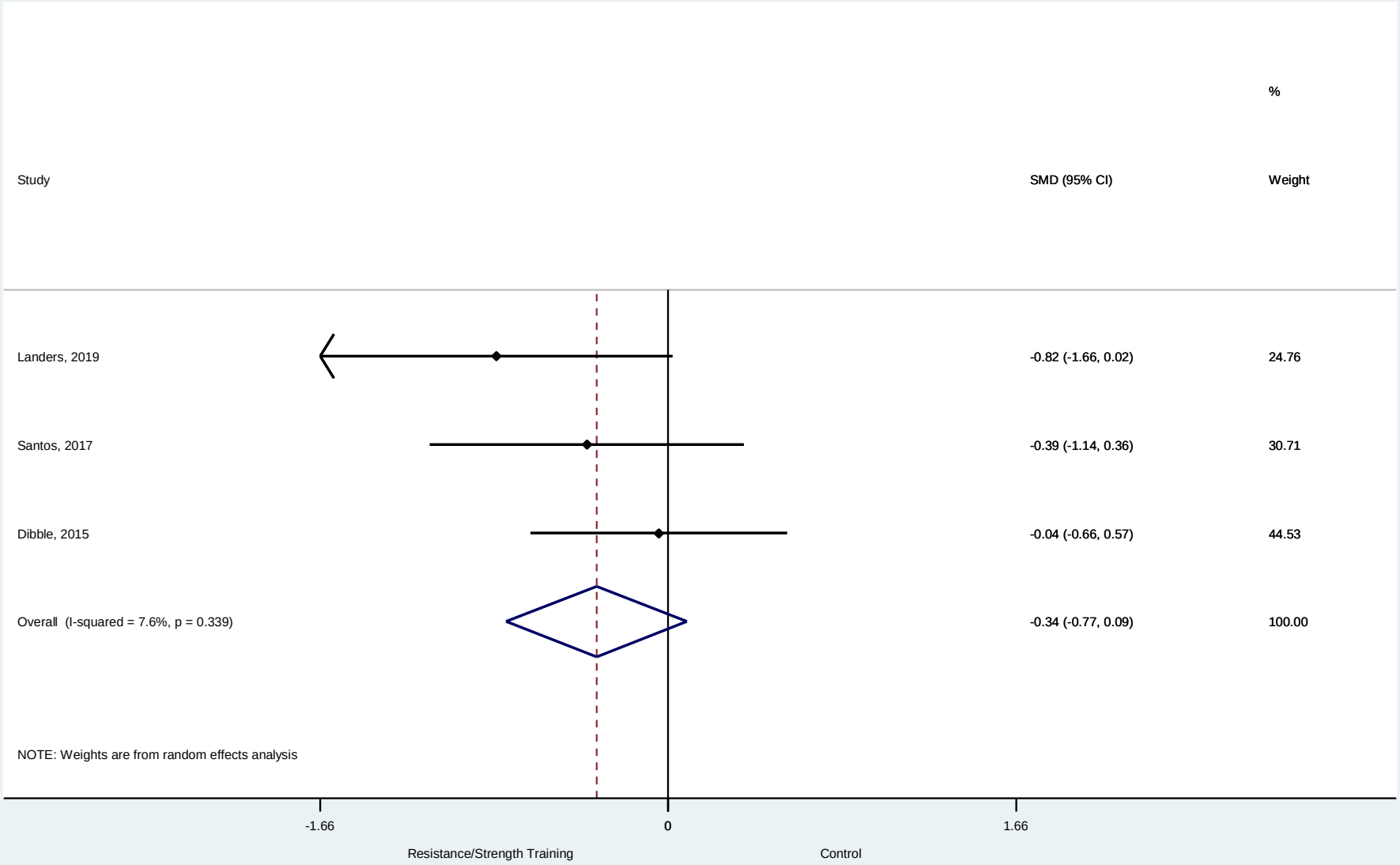


Figure 14: Meta-analysis- Fall Fear/Risk (post)

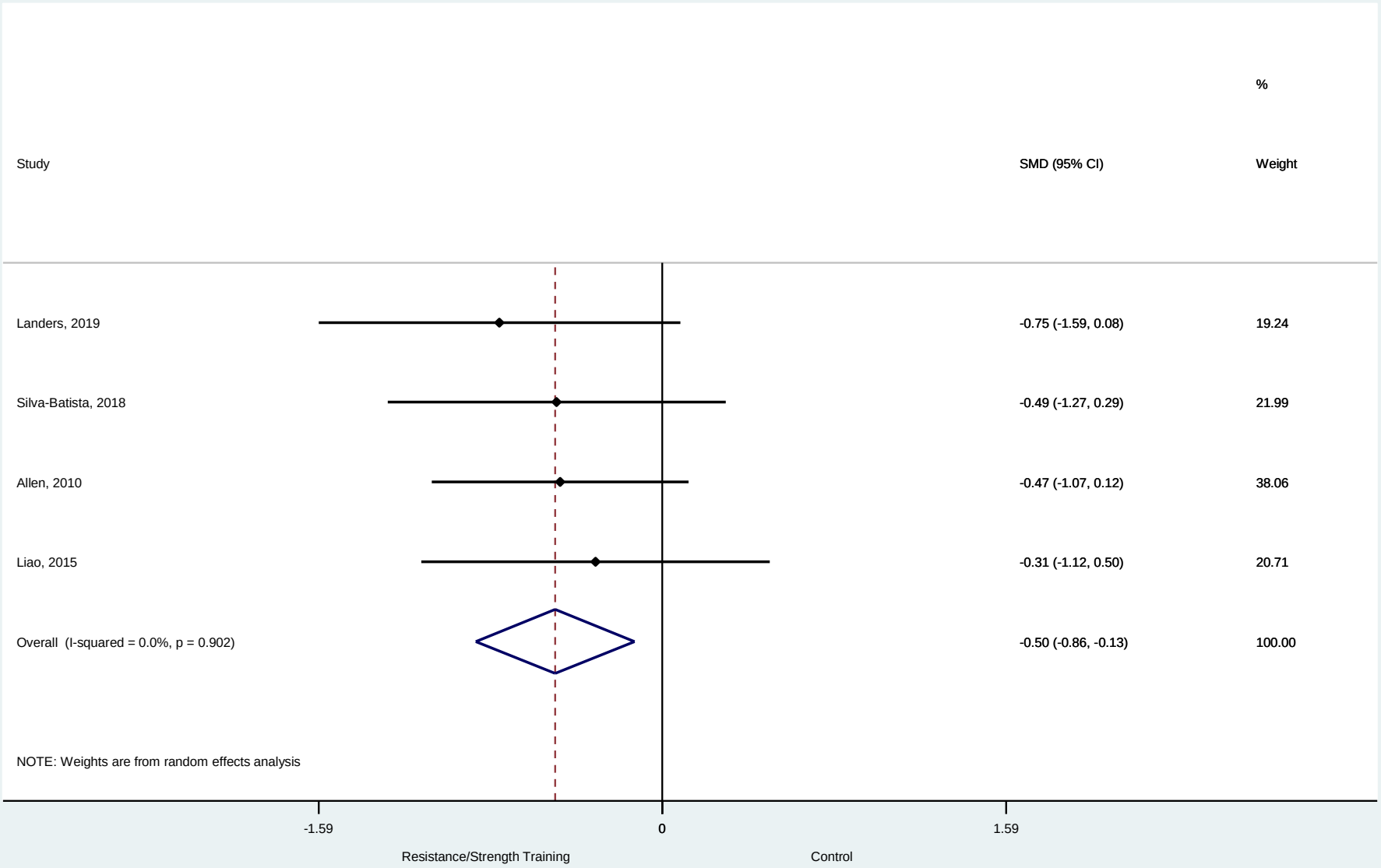


Table 3837: PICO 2b- Resistance/Strength training vs. Other- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Attendance ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.3 (-4.17, 3.57)	NS
Demonceau, 2017	Moderate	Adherence to program ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-2.3 (-5.82, 1.22)	NS
Ridgel, 2016	High	Attendance (Number of sessions attended)	12 wks	EXCEED (Enhanced Exercise Therapy-Psychoeducation, Peer education/support, Manualized group exercise(High cadence cycling and Resistance training): 45-60min, 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	SGE (Self-guided exercise therapy-Psychoeducation, Self-guided exercise manual, free fitness access, Continuing exercise manual (High cadence cycling and Resistance training)): 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	Author Reported	N/A	NS

Table 3938: PICO 2b- Resistance/Strength training vs. Other- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rafferty, 2017	High	Adverse events ( )	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	RR	4.50(0.64,39.06)	NS
Demonceau, 2017	Moderate	Adverse events (Total adverse events)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	RR	0.67(0.27,1.66)	NS
Corcos, 2013	High	Adverse events (Total adverse events)	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	RR	0.78(0.38,1.61)	NS

Table 4039: PICO 2b- Resistance/Strength training vs. Other- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	VO2 (VO2 peak)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-4.8 (-10.27, 0.67)	NS
Demonceau, 2017	Moderate	Respiratory exchange ratio ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.01 (-0.06, 0.08)	NS
Ridgel, 2016	High	VO2 (VO2 max)	12 wks	EXCEED (Enhanced Exercise Therapy-Psychoeducation, Peer education/support, Manualized group exercise(High cadence cycling and Resistance training): 45-60min, 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	SGE (Self-guided exercise therapy-Psychoeducation, Self-guided exercise manual, free fitness access, Continuing exercise manual (High cadence cycling and Resistance training)): 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	Author Reported - p = 0.86	N/A	NS
Shulman, 2013	Moderate	VO2 (VO2 peak)	.	Strength and resistance training: 3x/week, 3 months	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Mean Difference	0.5 (-0.06, 1.06)	NS
Shulman, 2013	Moderate	VO2 (VO2 peak)	.	Strength and resistance training: 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	-2.22 (-2.94, -1.50)	**LIT (Low intensity treadmill training)**

Table 4140: PICO 2b- Resistance/Strength training vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	UPDRS III ( )	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.2 (-3.66, 4.06)	NS
Schlenstedt, 2015	Moderate	UPDRS Total ( )	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	4.9 (-3.64, 13.44)	NS
Schlenstedt, 2015	Moderate	UPDRS Total ( )	12 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	3 (-8.31, 14.31)	NS
Schlenstedt, 2015	Moderate	UPDRS III ( )	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	2.8 (-2.62, 8.22)	NS
Schlenstedt, 2015	Moderate	UPDRS III ( )	12 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	2.9 (-3.35, 9.15)	NS
Morris, 2015	High	UPDRS III ( )	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	0.1 (-1.88, 2.08)	NS
Morris, 2015	High	UPDRS III ( )	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	0.8 (-1.32, 2.92)	NS
Corcos, 2013	High	UPDRS III (UPDRS III (off medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-1 (-2.64, 0.64)	NS
Corcos, 2013	High	UPDRS III (UPDRS III (off medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-4.1 (-6.10, -2.10)	**Progressive resistance exercise training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Corcos, 2013	High	UPDRS III (UPDRS III (off medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-3.8 (-8.64, 1.04)	NS
Corcos, 2013	High	UPDRS III (UPDRS III (off medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-7.3 (-12.46, -2.14)	**Progressive resistance exercise training**
Corcos, 2013	High	UPDRS III (UPDRS III (on medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.7 (-0.83, 2.23)	NS
Corcos, 2013	High	UPDRS III (UPDRS III (on medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.3 (-2.95, 2.35)	NS
Corcos, 2013	High	UPDRS III (UPDRS III (on medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.2 (-3.87, 4.27)	NS
Corcos, 2013	High	UPDRS III (UPDRS III (on medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-1 (-5.36, 3.36)	NS
Li, 2012	High	UPDRS III ( )	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	-3.41 (-5.59, -1.23)	**Resistance**
Li, 2012	High	UPDRS III ( )	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	1.39 (-0.15, 2.93)	NS

Table 4241: PICO 2b- Resistance/Strength training vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Gait velocity (Peak velocity)	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-9 (-40.05, 22.05)	NS
David, 2016	Moderate	Gait velocity (Peak velocity)	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	15 (-15.87, 45.87)	NS
David, 2016	Moderate	Gait velocity (Peak velocity)	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	23 (-8.41, 54.41)	NS
David, 2016	Moderate	Gait velocity (Peak velocity)	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	43 (10.41, 75.59)	**Progressive resistance exercise training**
David, 2016	Moderate	Gait velocity (Time to peak velocity (ms))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	2 (-22.37, 26.37)	NS
David, 2016	Moderate	Gait velocity (Time to peak velocity (ms))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0 (-24.30, 24.30)	NS
David, 2016	Moderate	Gait velocity (Time to peak velocity (ms))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-3 (-30.40, 24.40)	NS
David, 2016	Moderate	Gait velocity (Time to peak velocity (ms))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-7 (-36.35, 22.35)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during acceleration)	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.5 (-10.29, 9.29)	NS
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during acceleration)	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-4.8 (-14.25, 4.65)	NS
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during acceleration)	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-2.1 (-11.54, 7.34)	NS
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during acceleration)	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-2.6 (-12.49, 7.29)	NS
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during deceleration)	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-4.6 (-12.31, 3.11)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during deceleration)	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-3.8 (-11.13, 3.53)	NS
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during deceleration)	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-4.1 (-11.73, 3.53)	NS
David, 2016	Moderate	Cocontraction during limb acceleration/deceleration (Cocontraction during deceleration)	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-7.5 (-14.17, -0.83)	**Progressive resistance exercise training**
David, 2016	Moderate	Strength/Power (Elbow flexion strength (Nm))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	3.7 (-0.84, 8.24)	NS
David, 2016	Moderate	Strength/Power (Elbow flexion strength (Nm))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	7.6 (2.97, 12.23)	**Progressive resistance exercise training**
David, 2016	Moderate	Strength/Power (Elbow flexion strength (Nm))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	7.9 (3.19, 12.61)	**Progressive resistance exercise training**
David, 2016	Moderate	Strength/Power (Elbow flexion strength (Nm))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	14.3 (9.60, 19.00)	**Progressive resistance exercise training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Strength/Power (Elbow extension strength (Nm))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	4.5 (0.28, 8.72)	**Progressive resistance exercise training**
David, 2016	Moderate	Strength/Power (Elbow extension strength (Nm))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	5.7 (1.85, 9.55)	**Progressive resistance exercise training**
David, 2016	Moderate	Strength/Power (Elbow extension strength (Nm))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	5.9 (2.13, 9.67)	**Progressive resistance exercise training**
David, 2016	Moderate	Strength/Power (Elbow extension strength (Nm))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	6.6 (2.85, 10.35)	**Progressive resistance exercise training**
Rafferty, 2017	High	Gait velocity (Comfortable gait velocity (m/s) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.12 (-0.28, 0.04)	NS
Rafferty, 2017	High	Gait velocity (Fast gait velocity (m/s) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.09 (-0.34, 0.16)	NS
Rafferty, 2017	High	Stride (Comfortable stride length (m) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.1 (-0.25, 0.05)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rafferty, 2017	High	Stride (Fast stride length (m) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.12 (-0.28, 0.04)	NS
Rafferty, 2017	High	Step (Comfortable cadence (steps/min) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-2 (-7.80, 3.80)	NS
Rafferty, 2017	High	Step (Fast cadence (steps/min) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	2 (-9.57, 13.57)	NS
Rafferty, 2017	High	Double support (Comfortable double support time (% gait cycle) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	2.7 (-0.45, 5.85)	NS
Rafferty, 2017	High	Double support (Fast double support time (% gait cycle) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	2.1 (-1.70, 5.90)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rafferty, 2017	High	ROM (Plantarflexion (nm) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	4 (-7.67, 15.67)	NS
Rafferty, 2017	High	ROM (Dorsiflexion (nm) (Off-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	3.4 (-2.22, 9.02)	NS
Rafferty, 2017	High	Gait velocity (Comfortable gait velocity (m/s) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.1 (-0.24, 0.04)	NS
Rafferty, 2017	High	Gait velocity (Fast gait velocity (m/s) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.12 (-0.33, 0.09)	NS
Rafferty, 2017	High	Stride (Comfortable stride length (m) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.1 (-0.22, 0.02)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rafferty, 2017	High	Stride (Fast stride length (m) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.13 (-0.27, 0.01)	NS
Rafferty, 2017	High	Step (Comfortable cadence (steps/min) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-1 (-7.04, 5.04)	NS
Rafferty, 2017	High	Step (Fast cadence (steps/min) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	2 (-8.81, 12.81)	NS
Rafferty, 2017	High	Double support (Comfortable double support time (% gait cycle) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	2.6 (-0.09, 5.29)	NS
Rafferty, 2017	High	Double support (Fast double support time (% gait cycle) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	2.8 (-0.23, 5.83)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rafferty, 2017	High	ROM (Plantarflexion (nm) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-1.1 (-12.39, 10.19)	NS
Rafferty, 2017	High	ROM (Dorsiflexion (nm) (On-medication))	24 mos	Progressive Resistance Exercise: 60-90min, 2x/week, 24 months	Modified Fitness Counts (non-progressive strength, balance, stretching): 60-90min, 2x/week, 24 months	Mean Difference	-0.7 (-6.14, 4.74)	NS
Santos, 2017	High	Amount of sway (CoP area sway (Bipedal) (cm2))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	0.6 (-1.10, 2.30)	NS
Santos, 2017	High	Amount of sway (CoP area sway (Romberg-Eyes open) (cm2))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	0.2 (-2.00, 2.40)	NS
Santos, 2017	High	Amount of sway (CoP area sway (Romberg-Eyes closed) (cm2))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	3.5 (0.48, 6.52)	**Balance training**
Santos, 2017	High	Amount of sway (CoP area sway (Tandem- Eyes open) (cm2))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	1.2 (-1.51, 3.91)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2017	High	Amount of sway (CoP area sway (Tandem- Eyes closed) (cm2))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	7.3 (2.41, 12.19)	**Balance training**
Santos, 2017	High	Amount of sway (CoP area sway (One-legged) (cm2))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	4.4 (1.27, 7.53)	**Balance training**
Santos, 2017	High	Amount of sway (CoP area sway (Double task) (cm2))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	3.4 (-0.90, 7.70)	NS
Santos, 2017	High	Balance (BESTest-Section I (%))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	-1.2 (-14.64, 12.24)	NS
Santos, 2017	High	Balance (BESTest-Section II (%))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	2.1 (-4.11, 8.31)	NS
Santos, 2017	High	Balance (BESTest-Section III (%))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	-6.2 (-12.45, 0.05)	NS
Santos, 2017	High	Balance (BESTest-Section IV (%))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	3.5 (-10.41, 17.41)	NS
Santos, 2017	High	Balance (BESTest-Section V (%))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	-3.7 (-8.23, 0.83)	NS
Santos, 2017	High	Balance (BESTest-Section VI (%))	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	-7.4 (-11.49, -3.31)	**Balance training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2017	High	Balance (BESTest Total)	.	Resistance training: 1hr, 2x/week, 8 weeks	Balance training: 1hr, 2x/week, 8 weeks	Mean Difference	-2 (-5.98, 1.98)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (More affected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.016 (-0.27, 0.30)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee extension (Less affected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.085 (-0.44, 0.27)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee extension (Sum) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.067 (-0.68, 0.55)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (More afffected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0 (-0.16, 0.16)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque knee flexion (Less affected side) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.003 (-0.18, 0.19)	NS
Demonceau, 2017	Moderate	Strength/Power (Peak torque bilateral knee flexion (Sum) (Nm/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.002 (-0.34, 0.35)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	Strength/Power (Peak work load (w/kg))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.3 (-0.81, 0.21)	NS
Demonceau, 2017	Moderate	Gait speed (Speed (m/s))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.1 (-0.21, 0.01)	NS
Demonceau, 2017	Moderate	Stride (Stride length)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.09 (-0.19, 0.01)	NS
Demonceau, 2017	Moderate	Step (Cadence)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0 (-0.05, 0.05)	NS
Demonceau, 2017	Moderate	Mobility (TUG)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0.1 (-0.08, 0.28)	NS
Demonceau, 2017	Moderate	Walk test (6MWT (m))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-49 (-117.98, 19.98)	NS
Shujaat, 2014	Moderate	ROM (Cervical spine rotation (left))	.	Strengthening exercises: 75min, 6x/week, 4 weeks	Kayaking exercises: 75min, 6x/week, 4 weeks	Mean Difference	0.33 (-5.15, 5.81)	NS
Shujaat, 2014	Moderate	ROM (Cervical spine rotation (right))	.	Strengthening exercises: 75min, 6x/week, 4 weeks	Kayaking exercises: 75min, 6x/week, 4 weeks	Mean Difference	-3.75 (-9.88, 2.38)	NS
Shujaat, 2014	Moderate	ROM (Thoracolumbar spine rotation (left))	.	Strengthening exercises: 75min, 6x/week, 4 weeks	Kayaking exercises: 75min, 6x/week, 4 weeks	Mean Difference	-1.29 (-3.32, 0.74)	NS
Shujaat, 2014	Moderate	ROM (Thoracolumbar spine rotation (right))	.	Strengthening exercises: 75min, 6x/week, 4 weeks	Kayaking exercises: 75min, 6x/week, 4 weeks	Mean Difference	-1.5 (-4.09, 1.09)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shujaat, 2014	Moderate	Parkinson Activity Scale (MPAS IIIA)	.	Strengthening exercises: 75min, 6x/week, 4 weeks	Kayaking exercises: 75min, 6x/week, 4 weeks	Mean Difference	-0.33 (-2.06, 1.40)	NS
Shujaat, 2014	Moderate	Parkinson Activity Scale (MPAS IIIB)	.	Strengthening exercises: 75min, 6x/week, 4 weeks	Kayaking exercises: 75min, 6x/week, 4 weeks	Mean Difference	-0.41 (-2.68, 1.86)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.1 (-1.11, 1.31)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.3 (-1.40, 2.00)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-9.20, 9.20)	NS
Cheng, 2016	High	Turning (SQT (Turn sway) (°))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-12.08, 12.08)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.4 (-1.05, 1.85)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.4 (-1.27, 2.07)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-3.7 (-7.71, 0.31)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-2.2 (-6.84, 2.44)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.02 (-0.01, 0.05)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.02, 0.04)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-0.01 (-0.07, 0.05)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-0.06, 0.06)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-0.1 (-0.20, -0.00)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-0.03 (-0.13, 0.07)	NS
Cheng, 2016	High	Balance (Tinetti (Balance))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.9 (-1.51, 3.31)	NS
Cheng, 2016	High	Balance (Tinetti (Balance))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.9 (-1.70, 3.50)	NS
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.1 (-1.75, 1.95)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-2.08, 2.08)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion-Anterior) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	6.8 (-6.46, 20.06)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion-Anterior) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	1.3 (-13.85, 16.45)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion-Lateral) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	3.7 (-9.04, 16.44)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion-Lateral) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	1 (-11.25, 13.25)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-18.5 (-177.94, 140.94)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-14.7 (-176.74, 147.34)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	68.3 (-103.36, 239.96)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	64.8 (-105.38, 234.98)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	57 (-63.80, 177.80)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	40.1 (-75.52, 155.72)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	0.4 (-64.50, 65.30)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-3.7 (-68.25, 60.85)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	12.7 (-38.19, 63.59)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	13.8 (-36.56, 64.16)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-15 (-71.05, 41.05)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Mean Difference	-23.3 (-74.56, 27.96)	NS
Ni, 2012	High	Balance (BBS)	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.2 (-2.13, 2.53)	NS
Ni, 2012	High	Balance (Mini BESTest)	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	-0.6 (-1.95, 0.75)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Mobility (TUG)	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	1 (-0.97, 2.97)	NS
Ni, 2012	High	Balance (Functional Reach Test (more affected side (cm)))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	3.3 (-0.87, 7.47)	NS
Ni, 2012	High	Balance (Functional Reach Test (less affected side (cm)))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	1.5 (-1.64, 4.64)	NS
Ni, 2012	High	Stance duration (SLS more affected side (sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	2.5 (-9.50, 14.50)	NS
Ni, 2012	High	Stance duration (SLS less affected side (sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	-5.9 (-26.20, 14.40)	NS
Ni, 2012	High	Walk test (10-MWT (Usual walk speed) (m/s))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	-0.02 (-0.15, 0.11)	NS
Ni, 2012	High	Walk test (10-MWT (Maximal walk speed) (m/s))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	-0.06 (-0.28, 0.16)	NS
Ni, 2012	High	Strength/Power (Leg press (Strength) (kg)/BW (kg))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	-0.1 (-0.32, 0.12)	NS
Ni, 2012	High	Strength/Power (Leg press (Peak power) (W)/BW (kg))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.8 (-0.40, 2.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): COParea (cm2))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.23 (-0.03, 0.49)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.07 (-1.11, 1.25)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.74 (-0.42, 1.90)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.07 (0.02, 0.12)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.02 (-0.10, 0.14)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): Vavg (cm/sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.71 (0.19, 1.23)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): COParea (cm2))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.56 (0.19, 0.93)	**Yoga**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	-0.61 (-1.84, 0.62)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDavg (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.89 (-0.25, 2.03)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.1 (0.03, 0.17)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDsd (cm))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.13 (0.02, 0.24)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): Vavg (cm/sec))	3 mos	Power training: 1hr, 2x/week, 12 weeks	Yoga: 1hr, 2x/week, 12 weeks	Mean Difference	0.89 (0.24, 1.54)	**Yoga**
Schlenstedt, 2015	Moderate	Balance (FAB)	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.4 (-4.11, 3.31)	NS
Schlenstedt, 2015	Moderate	Balance (FAB)	12 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-1.5 (-5.31, 2.31)	NS
Schlenstedt, 2015	Moderate	Balance (Forward pull)	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	500.1 (275.77, 724.43)	**Resistance training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schlenstedt, 2015	Moderate	Balance (Backward pull)	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-135.3 (-390.64, 120.04)	NS
Schlenstedt, 2015	Moderate	Mobility (TUG)	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	0.5 (-0.96, 1.96)	NS
Schlenstedt, 2015	Moderate	Mobility (TUG)	12 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	1.6 (0.03, 3.17)	**Balance training**
Schlenstedt, 2015	Moderate	Gait velocity ( )	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.7 (-12.15, 10.75)	NS
Schlenstedt, 2015	Moderate	Stride (Stride length)	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-11.2 (-21.07, -1.33)	**Balance training**
Schlenstedt, 2015	Moderate	Double support (Double support time)	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	1.3 (-22.12, 24.72)	NS
Schlenstedt, 2015	Moderate	Stride (Stride time variability (%))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	0.7 (-0.20, 1.60)	NS
Schlenstedt, 2015	Moderate	Gait assessment (Gait asymmetry index)	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	1 (-2.37, 4.37)	NS
Schlenstedt, 2015	Moderate	Strength/Power (Leg strength (MVC) (Least affected side) (N))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	8.1 (-74.27, 90.47)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schlenstedt, 2015	Moderate	Strength/Power (Leg strength (MVC) (Most affected side) (N))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-26.4 (-104.47, 51.67)	NS
Schlenstedt, 2015	Moderate	Strength/Power (Peak RFD (Least affected side) (N/ms))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.2 (-0.79, 0.39)	NS
Schlenstedt, 2015	Moderate	Strength/Power (Peak RFD (Most affected side) (N/ms))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.2 (-0.76, 0.36)	NS
Schlenstedt, 2015	Moderate	Strength/Power (RFD (rate of force development)-Least affected side (N/ms))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.1 (-0.52, 0.32)	NS
Schlenstedt, 2015	Moderate	Strength/Power (RFD (rate of force development)-Most affected side (N/ms))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	0 (-0.45, 0.45)	NS
Schlenstedt, 2015	Moderate	Gait assessment (PCI (Phase Coordination Index))	8 wks	Resistance training: 60min, 2x/week, 7 weeks	Balance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.8 (-2.16, 0.56)	NS
Morris, 2015	High	Falls (Falls rate)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	-248 (-249.71, -246.29)	**Progressive Resistance Strength Training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2015	High	Falls (Fallers)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	-8 (-27.98, 11.98)	NS
Morris, 2015	High	UPDRS II ( )	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	1 (-1.14, 3.14)	NS
Morris, 2015	High	UPDRS II ( )	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	-0.3 (-2.47, 1.87)	NS
Morris, 2015	High	Gait speed (Walking speed)	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	-0.12 (-0.22, -0.02)	**Movement Strategy Training**
Morris, 2015	High	Gait speed (Walking speed)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	-0.09 (-0.21, 0.03)	NS
Morris, 2015	High	Mobility (TUG)	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	0.3 (-1.67, 2.27)	NS
Morris, 2015	High	Mobility (TUG)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	0.5 (-3.15, 4.15)	NS
Prodoehl, 2015	Moderate	Physical performance (Modified Physical Performance Test (On medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	47.02(., .)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Prodoehl, 2015	Moderate	Mobility (5T Sit-to-Stand (On medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	24.22(.,.)	NS
Prodoehl, 2015	Moderate	Balance (Functional Reach Test (On medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	29.29(.,.)	NS
Prodoehl, 2015	Moderate	Mobility (TUG (On medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	55.95(.,.)	NS
Prodoehl, 2015	Moderate	Balance (BBS (On medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	17.63(.,.)	NS
Prodoehl, 2015	Moderate	Walk test (6MWT (on medication) (m))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	8.73(.,.)	NS
Prodoehl, 2015	Moderate	Gait speed (Walk speed (On medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	25.97(.,.)	NS
Prodoehl, 2015	Moderate	Physical performance (Modified Physical Performance Test (Off medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	63.95(.,.)	NS
Prodoehl, 2015	Moderate	Mobility (5T Sit-to-Stand (Off medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	43.51(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Prodoehl, 2015	Moderate	Balance (Functional Reach Test (Off medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	20.57(., .)	NS
Prodoehl, 2015	Moderate	Mobility (TUG (Off medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	39.63(., .)	NS
Prodoehl, 2015	Moderate	Balance (BBS (Off medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	42.15(., .)	NS
Prodoehl, 2015	Moderate	Walk test (6MWT (off medication) (m))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	10.50(., .)	NS
Prodoehl, 2015	Moderate	Gait speed (Walk speed (Off medication))	24 mos	Progressive Resistance Exercise Program: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported	24.61(., .)	NS
Corcos, 2013	High	Strength/Power (Elbow flexion torque (Off-medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	3.7 (-0.84, 8.24)	NS
Corcos, 2013	High	Strength/Power (Elbow flexion torque (Off-medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	7.6 (2.87, 12.33)	**Progressive resistance exercise training**
Corcos, 2013	High	Strength/Power (Elbow flexion torque (Off-medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	7.9 (2.95, 12.85)	**Progressive resistance exercise training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Corcos, 2013	High	Strength/Power (Elbow flexion torque (Off-medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	14.3 (8.97, 19.63)	**Progressive resistance exercise training**
Corcos, 2013	High	Strength/Power (Elbow flexion torque (On-medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	3.3 (0.03, 6.57)	**Progressive resistance exercise training**
Corcos, 2013	High	Strength/Power (Elbow flexion torque (On-medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	8.6 (4.17, 13.03)	**Progressive resistance exercise training**
Corcos, 2013	High	Strength/Power (Elbow flexion torque (On-medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	9.6 (4.66, 14.54)	**Progressive resistance exercise training**
Corcos, 2013	High	Strength/Power (Elbow flexion torque (On-medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	6.2 (-2.33, 14.73)	NS
Corcos, 2013	High	Gait speed (Movement speed (Off-medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-9.2 (-40.50, 22.10)	NS
Corcos, 2013	High	Gait speed (Movement speed (Off-medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	14.5 (-16.95, 45.95)	NS
Corcos, 2013	High	Gait speed (Movement speed (Off-medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	22.9 (-10.35, 56.15)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Corcos, 2013	High	Gait speed (Movement speed (Off-medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	43.5 (7.19, 79.81)	**Progressive resistance exercise training**
Corcos, 2013	High	Gait speed (Movement speed (On-Medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-22.5 (-54.51, 9.51)	NS
Corcos, 2013	High	Gait speed (Movement speed (On-Medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	6.3 (-32.55, 45.15)	NS
Corcos, 2013	High	Gait speed (Movement speed (On-Medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	2.1 (-35.14, 39.34)	NS
Corcos, 2013	High	Gait speed (Movement speed (On-Medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-3.6 (-42.10, 34.90)	NS
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (Off medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-1 (-2.67, 0.67)	NS
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (Off medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0 (-2.38, 2.38)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (Off medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.4 (-2.71, 1.91)	NS
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (Off medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.5 (-2.56, 3.56)	NS
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (On medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-1 (-2.30, 0.30)	NS
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (On medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-1.6 (-3.03, -0.17)	**Modified fitness counts exercise program**
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (On medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.9 (-2.70, 0.90)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Corcos, 2013	High	Physical performance (Modified Physical Performance Test (On medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.4 (-2.72, 1.92)	NS
Shulman, 2013	Moderate	Walk test (6MWT (ft))	.	Strength and resistance training: 3x/week, 3 months	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Mean Difference	51.2 (6.16, 96.24)	**Strength and resistance training**
Shulman, 2013	Moderate	Walk test (10MWT (Comfortable pace) (sec))	.	Strength and resistance training: 3x/week, 3 months	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Mean Difference	-0.11 (-0.50, 0.28)	NS
Shulman, 2013	Moderate	Walk test (10MWT (Fast pace) (sec))	.	Strength and resistance training: 3x/week, 3 months	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Mean Difference	-0.25 (-0.52, 0.02)	NS
Shulman, 2013	Moderate	Mobility (50 ft Fast Pace (sec))	.	Strength and resistance training: 3x/week, 3 months	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Mean Difference	-0.43 (-0.93, 0.07)	NS
Shulman, 2013	Moderate	Strength/Power (Leg press (lbs))	.	Strength and resistance training: 3x/week, 3 months	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Mean Difference	174.34 (130.37, 218.31)	**Strength and resistance training**
Shulman, 2013	Moderate	ROM (Leg extension (lbs))	.	Strength and resistance training: 3x/week, 3 months	HIT (High intensity treadmill training): 15-30min, 3x/week, 3 months	Mean Difference	28.52 (15.44, 41.60)	**Strength and resistance training**
Shulman, 2013	Moderate	Walk test (6MWT (ft))	.	Strength and resistance training: 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	-105.3 (-167.46, -43.14)	**LIT (Low intensity treadmill training)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shulman, 2013	Moderate	Walk test (10MWT (Comfortable pace) (sec))	.	Strength and resistance training: 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	0.8 (0.44, 1.16)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Walk test (10MWT (Fast pace) (sec))	.	Strength and resistance training: 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	0.23 (-0.04, 0.50)	NS
Shulman, 2013	Moderate	Mobility (50 ft Fast Pace (sec))	.	Strength and resistance training: 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	0.75 (0.28, 1.22)	**LIT (Low intensity treadmill training)**
Shulman, 2013	Moderate	Strength/Power (Leg press (lbs))	.	Strength and resistance training: 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	63.9 (11.53, 116.27)	**Strength and resistance training**
Shulman, 2013	Moderate	ROM (Leg extension (lbs))	.	Strength and resistance training: 3x/week, 3 months	LIT (Low intensity treadmill training): 15-50min, 3x/week, 3 months	Mean Difference	-0.4 (-13.95, 13.15)	NS
Li, 2012	High	Stability (Maximum excursion (%))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	6.09 (0.08, 12.10)	**Resistance**
Li, 2012	High	Stability (Directional control (%))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	0.13 (-7.51, 7.77)	NS
Li, 2012	High	Stride (Stride length)	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	5.2 (-1.55, 11.95)	NS
Li, 2012	High	Gait velocity ( )	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	12.7 (5.07, 20.33)	**Resistance**
Li, 2012	High	Strength/Power (Peak toque knee extension (nm))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	11.7 (-0.67, 24.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Li, 2012	High	Strength/Power (Peak toque knee flexion (nm))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	8 (1.79, 14.21)	**Resistance**
Li, 2012	High	Balance (Functional Reach Test)	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	1.6 (-0.78, 3.98)	NS
Li, 2012	High	Mobility (TUG)	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	-0.72 (-1.77, 0.33)	NS
Li, 2012	High	Stability (Maximum excursion (%))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-5.59 (-11.15, -0.03)	**Tai Chi**
Li, 2012	High	Stability (Directional control (%))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-11.08 (-17.29, -4.87)	**Tai Chi**
Li, 2012	High	Stride (Stride length)	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-7.1 (-14.15, -0.05)	**Tai Chi**
Li, 2012	High	Gait velocity ( )	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-1.5 (-9.33, 6.33)	NS
Li, 2012	High	Strength/Power (Peak toque knee extension (nm))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-1.9 (-15.52, 11.72)	NS
Li, 2012	High	Strength/Power (Peak toque knee flexion (nm))	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	0.3 (-6.15, 6.75)	NS
Li, 2012	High	Balance (Functional Reach Test)	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-2.8 (-4.87, -0.73)	**Tai Chi**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Li, 2012	High	Mobility (TUG)	6 mos	Resistance: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	0.4 (-0.51, 1.31)	NS

Table 4342: PICO 2b- Resistance/Strength training vs. Other- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Corcos, 2013	High	LEDD ( )	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-15.4 (-68.10, 37.30)	NS
Corcos, 2013	High	LEDD ( )	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-27.4 (-119.35, 64.55)	NS
Corcos, 2013	High	LEDD ( )	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-109.8 (-224.38, 4.78)	NS
Corcos, 2013	High	LEDD ( )	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-73.8 (-229.70, 82.10)	NS

Table 4443: PICO 2b- Resistance/Strength training vs. Other- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2015	Moderate	Cognition ( )	12 mos	Progressive Resistance Exercise: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported - Wilcoxon Rank-Sum test	-0.30(-0.70,0.30)	NS
David, 2015	Moderate	Cognition ( )	24 mos	Progressive Resistance Exercise: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported - Wilcoxon Rank-Sum test	0.30(-0.30,1.00)	NS
David, 2015	Moderate	Cognition (Stroop Color-Word Interference)	12 mos	Progressive Resistance Exercise: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported - Wilcoxon Rank-Sum test	0.10(-0.50,0.50)	NS
David, 2015	Moderate	Cognition (Stroop Color-Word Interference)	24 mos	Progressive Resistance Exercise: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported - Wilcoxon Rank-Sum test	0.00(-0.40,0.50)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2015	Moderate	Cognition (Brief Test of Attention)	12 mos	Progressive Resistance Exercise: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported - Wilcoxon Rank-Sum test	0.00(-0.50,0.50)	NS
David, 2015	Moderate	Cognition (Brief Test of Attention)	24 mos	Progressive Resistance Exercise: 2x/week, 24 months	Modified Fitness Counts: 2x/week, 24 months	Author Reported - Wilcoxon Rank-Sum test	0.00(-0.80,0.50)	NS

Table 4544: PICO 2b- Resistance/Strength training vs. Other- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Agonist/antagonist muscle activity (Duration of 1st agonist burst (ms))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	1 (-31.01, 33.01)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Duration of 1st agonist burst (ms))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	5 (-26.98, 36.98)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Duration of 1st agonist burst (ms))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	33 (-5.06, 71.06)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Duration of 1st agonist burst (ms))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	36 (9.85, 62.15)	**Progressive resistance exercise training**
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst (au))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	5 (0.93, 9.07)	**Progressive resistance exercise training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst (au))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	5 (-0.29, 10.29)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst (au))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	6.5 (1.10, 11.90)	**Progressive resistance exercise training**
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst (au))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	8.9 (2.52, 15.28)	**Progressive resistance exercise training**
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst normalized to duration of 1st agonist burst (au/ms))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0 (-0.02, 0.02)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst normalized to duration of 1st agonist burst (au/ms))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.03 (0.00, 0.06)	**Progressive resistance exercise training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst normalized to duration of 1st agonist burst (au/ms))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.02 (-0.01, 0.05)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st agonist burst normalized to duration of 1st agonist burst (au/ms))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.04 (0.01, 0.07)	**Progressive resistance exercise training**
David, 2016	Moderate	Agonist/antagonist muscle activity (Number of agonist bursts during acceleration phase)	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.1 (-0.33, 0.13)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Number of agonist bursts during acceleration phase)	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.3 (-0.56, -0.04)	**Progressive resistance exercise training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Agonist/antagonist muscle activity (Number of agonist bursts during acceleration phase)	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.4 (-0.66, -0.14)	**Progressive resistance exercise training**
David, 2016	Moderate	Agonist/antagonist muscle activity (Number of agonist bursts during acceleration phase)	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.3 (-0.62, 0.02)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st 30ms of 1st agonist burst (au))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-0.3 (-0.96, 0.36)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st 30ms of 1st agonist burst (au))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.4 (-0.42, 1.22)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st 30ms of 1st agonist burst (au))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.3 (-0.42, 1.02)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of 1st 30ms of 1st agonist burst (au))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.3 (-0.44, 1.04)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of agonist burst (au))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-2.9 (-8.67, 2.87)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of agonist burst (au))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0.1 (-5.53, 5.73)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of agonist burst (au))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	1.9 (-3.18, 6.98)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of agonist burst (au))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	1.7 (-4.27, 7.67)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of antagonist burst (au))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-1.9 (-4.08, 0.28)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of antagonist burst (au))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-2.6 (-5.63, 0.43)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of antagonist burst (au))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-1.2 (-4.06, 1.66)	NS
David, 2016	Moderate	Agonist/antagonist muscle activity (Magnitude of antagonist burst (au))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	0 (-2.83, 2.83)	NS
Demonceau, 2017	Moderate	HR (bpm) ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-5 (-20.23, 10.23)	NS

Table 4645: PICO 2b- Resistance/Strength training vs. Other- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	3.75 (-15.00, 22.50)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	16.3 (-16.68, 49.28)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-5 (-17.68, 7.68)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	7 (-11.85, 25.85)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-15 (-25.85, -4.15)	**Strength training**
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-27 (., .)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-2 (-13.70, 9.70)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-7 (., .)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	0 (0.00, 0.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-12.5 (-25.00, -0.00)	**Strength training**
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-10 (-26.27, 6.27)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	4 (-13.54, 21.54)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-4 (-42.29, 34.29)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	29 (-25.23, 83.23)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-13 (-27.83, 1.83)	NS
Demonceau, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	3 (-13.92, 19.92)	NS
Demonceau, 2017	Moderate	PDQ-39 (% change between pre- and post-training evaluations)	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-8 (-16.16, 0.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PDQ-39 (% change between pre- and post-training evaluations)	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	5 (-5.28, 15.28)	NS
Morris, 2015	High	PDQ-39 ( )	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	2 (-2.62, 6.62)	NS
Morris, 2015	High	PDQ-39 ( )	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	-0.8 (-5.46, 3.86)	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	3 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	-4.7 (-10.39, 0.99)	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	12 mos	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Mean Difference	0.4 (-4.59, 5.39)	NS
Li, 2014	Moderate	PDQ-8 ( )	6 mos	Resistance training: 1hr, 2x/week, 6 months	Stretching: 1hr, 2x/week, 6 months	Mean Difference	-3.71 (-8.59, 1.17)	NS
Li, 2014	Moderate	Satisfaction (Vitality Plus Scale)	6 mos	Resistance training: 1hr, 2x/week, 6 months	Stretching: 1hr, 2x/week, 6 months	Mean Difference	1.98 (-0.27, 4.23)	NS
Li, 2014	Moderate	PDQ-8 ( )	6 mos	Resistance training: 1hr, 2x/week, 6 months	Tai Chi: 1hr, 2x/week, 6 months	Mean Difference	5.91 (1.77, 10.05)	**Tai Chi**
Li, 2014	Moderate	Satisfaction (Vitality Plus Scale)	6 mos	Resistance training: 1hr, 2x/week, 6 months	Tai Chi: 1hr, 2x/week, 6 months	Mean Difference	-0.6 (-2.97, 1.77)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Corcos, 2013	High	PDQ-39 (PDQ-39 (On-medication))	6 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-5 (-9.16, -0.84)	**Progressive resistance exercise training**
Corcos, 2013	High	PDQ-39 (PDQ-39 (On-medication))	12 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-4.1 (-7.47, -0.73)	**Progressive resistance exercise training**
Corcos, 2013	High	PDQ-39 (PDQ-39 (On-medication))	18 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-2 (-8.23, 4.23)	NS
Corcos, 2013	High	PDQ-39 (PDQ-39 (On-medication))	24 mos	Progressive resistance exercise training: 2x/week, 24 months	Modified fitness counts exercise program: 2x/week, 24 months	Mean Difference	-2.8 (-10.12, 4.52)	NS

Table 4746: PICO 2b- Resistance/Strength training vs. Other- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Demonceau, 2017	Moderate	PASS ( )	.	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.5 (-1.45, 0.45)	NS
Demonceau, 2017	Moderate	PASS ( )	1 yrs	Strength training: 60-90min, 2-3x/week, 12 weeks	Aerobic training: 60-90min, 2-3x/week, 12 weeks	Mean Difference	-0.4 (-2.10, 1.30)	NS
Ridgel, 2016	High	IPAQ ( )	24 wks	EXCEED (Enhanced Exercise Therapy-Psychoeducation, Peer education/support, Manualized group exercise(High cadence cycling and Resistance training): 45-60min, 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	SGE (Self-guided exercise therapy-Psychoeducation, Self-guided exercise manual, free fitness access, Continuing exercise manual (High cadence cycling and Resistance training)): 3x/week, 12 weeks, Psychoeducation: 1hr, 1x/week, 12 weeks	Author Reported	N/A	NS

Table 4847: PICO 2c- Resistance/Strength training vs. Resistance/Strength training- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2018	High	Sessions completed ( )	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-0.3 (-0.77, 0.17)	NS
Silva-Batista, 2017	Moderate	Sessions completed ( )	.	Resistance training with Instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-0.3 (-0.77, 0.17)	NS

Table 4948: PICO 2c- Resistance/Strength training vs. Resistance/Strength training- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2016	Moderate	UPDRS III ( )	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS

Table 5049: PICO 2c- Resistance/Strength training vs. Resistance/Strength training- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2018	High	Balance (BESTest Total)	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	12.6 (3.55, 21.65)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest Total (Biomechanical constraints) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	29.3 (17.24, 41.36)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest (Limits of stability/verticality) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	18.7 (8.88, 28.52)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest (Anticipatory postural adjustments) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	15 (2.86, 27.14)	**Resistance training with instability**
Silva-Batista, 2018	High	Balance (BESTest (Reactive postural responses) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-12.8 (-26.03, 0.43)	NS
Silva-Batista, 2018	High	Balance (BESTest (Sensory orientation) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	2 (-9.92, 13.92)	NS
Silva-Batista, 2018	High	Balance (BESTest (Stability in gait) (%))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	22 (6.11, 37.89)	**Resistance training with instability**
Silva-Batista, 2018	High	Stability (Overall stability index (°))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-0.7 (-1.34, -0.06)	**Resistance training with instability**
Silva-Batista, 2018	High	Fall Fear/Risk (FES-I)	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-0.1 (-7.85, 7.65)	NS
Silva-Batista, 2018	High	Strength/Power (Peak torque of knee extensors (nm))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-2.2 (-28.49, 24.09)	NS
Silva-Batista, 2018	High	Strength/Power (Peak torque of plantar flexors (nm))	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	25.2 (5.69, 44.71)	**Resistance training with instability**
Silva-Batista, 2017	Moderate	Strength/Power (Quadriceps CSA (mm2))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-472.9 (-1378.13, 432.33)	NS
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Vastus Lateralis (µV))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	13 (-8.30, 34.30)	NS
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Vastus Medialis (µV))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	26.1 (9.18, 43.02)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (RMS (root mean square) of Gastrocnemius Medialis (µV))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	20.8 (3.79, 37.81)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Vastus Lateralis (Hz))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	69.4 (-59.17, 197.97)	NS
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Vastus Medialis (Hz))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	56 (-68.53, 180.53)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2017	Moderate	Strength/Power (MSF (mean spike frequency) of Gastrocnemius Medialis (Hz))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	75.1 (44.91, 105.29)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (PT (peak torque) of Knee Extensor (Nm))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-2.2 (-28.49, 24.09)	NS
Silva-Batista, 2017	Moderate	Strength/Power (PT (peak torque) of Plantarflexor (Nm))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	25.2 (5.69, 44.71)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	Strength/Power (RTD (rate of torque development) of Knee Extensor (Nm/s))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	92.4 (-51.81, 236.61)	NS
Silva-Batista, 2017	Moderate	Strength/Power (RTD (rate of torque development) of Plantarflexor (Nm/s))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	89.5 (40.22, 138.78)	**Resistance training with Instability (RTI)**
Silva-Batista, 2017	Moderate	ROM (HRT (half relaxation time) of Knee Extensor (ms))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	6.1 (-55.32, 67.52)	NS
Silva-Batista, 2017	Moderate	ROM (HRT (half relaxation time) of Plantarflexor (m/s))	.	Resistance training with Instability (RTI): 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	-26 (-58.29, 6.29)	NS
Silva-Batista, 2016	Moderate	Mobility (TUG)	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	Strength/Power (Leg press 1RM)	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press 1RM)	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	54.89(43.38,66.40)	NS
Cherup, 2019	Moderate	Strength/Power (Chest press (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	7.33(4.75,9.91)	NS
Cherup, 2019	Moderate	Strength/Power (Leg press power (W))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	112.27(56.03,168.51)	NS
Cherup, 2019	Moderate	Strength/Power (Chest press power (W))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	52.12(23.38,80.86)	NS
Cherup, 2019	Moderate	Strength/Power (Leg press absolute power 40% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press absolute power 50% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press absolute power 60% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press absolute power 70% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press normalized power 40% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA, p = 0.026	0.10(0.01,0.19)	**Power training favored over strength training**
Cherup, 2019	Moderate	Strength/Power (Leg press normalized power 50% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - p val not given	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cherup, 2019	Moderate	Strength/Power (Leg press normalized power 60% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - p val not given	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press normalized power 70% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - p val not given	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press normalized power 80% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - p val not given	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Leg press normalized power 90% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - p val not given	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Chest press absolute power 50% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Chest press absolute power 60% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Chest press normalized power 40% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Chest press normalized power 50% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Chest press normalized power 60% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Chest press normalized power 70% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Strength/Power (Chest press normalized power 80% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA, p = 0.046	0.10(0.00,0.22)	**Strength training favored over power training**
Cherup, 2019	Moderate	Strength/Power (Chest press normalized power 90% (1RM))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	N/A	NS
Cherup, 2019	Moderate	Balance (BBS)	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	-1.69(-2.89,0.48)	NS
Cherup, 2019	Moderate	Balance (Standardized Dynamic Motion Analysis)	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	-36.69(-86.93,13.56)	NS
Cherup, 2019	Moderate	Balance (Time on platform)	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	3.06(-2.64,8.77)	NS
Cherup, 2019	Moderate	Mobility (TUG)	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	0.79(-4.13,1.99)	NS
Cherup, 2019	Moderate	Fall Fear/Risk (Modified Falls Efficacy Scale (MFES))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA	-0.26(-0.62,0.09)	NS

Table 5150: PICO 2c- Resistance/Strength training vs. Resistance/Strength training- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2018	High	Cognition (MoCA)	.	Resistance training with instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Mean Difference	4.6 (2.51, 6.69)	**Resistance training with instability**
Silva-Batista, 2016	Moderate	Cognition (MoCA)	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Visuoexecutive))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Mean Difference	1 (0.29, 1.71)	**Resistance training with Instability (RTI)**
Silva-Batista, 2016	Moderate	Cognition (MoCA (Naming))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Mean Difference	0 (0.00, 0.00)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Attention))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Mean Difference	2 (1.06, 2.94)	**Resistance training with Instability (RTI)**
Silva-Batista, 2016	Moderate	Cognition (MoCA (Language))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Mean Difference	0 (0.00, 0.00)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Abstraction))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Mean Difference	0.2 (-0.13, 0.53)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Delayed Recall))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Mean Difference	0.4 (-0.87, 1.67)	NS
Silva-Batista, 2016	Moderate	Cognition (MoCA (Orientation))	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Mean Difference	1.2 (0.55, 1.85)	**Resistance training with Instability (RTI)**

Table 5251: PICO 2c- Resistance/Strength training vs. Resistance/Strength training- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2017	Moderate	Presynaptic inhibition (Presynaptic inhibition (Soleus H-reflex assessment))	.	Resistance training with Instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Author Reported - Post hoc test with Turkey's adjustment	40.10(3.60,49.60)	**RTI group favored over RT group**
Silva-Batista, 2017	Moderate	Presynaptic inhibition (Presynaptic inhibition (Soleus H-reflex assessment))	.	Resistance training with Instability: 2x/week, 12 weeks	Resistance training: 2x/week, 12 weeks	Author Reported - Post hoc test with Turkey's adjustment	30.10(21.10,39.00)	**RTI group favored over RT group**

Table 5352: PICO 2c- Resistance/Strength training vs. Resistance/Strength training- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silva-Batista, 2016	Moderate	PDQ-39 ( )	.	Resistance training with Instability (RTI): 1hr, 2x/week, 12 weeks	Resistance training: 1hr, 2x/week, 12 weeks	Author Reported - Post hoc analysis	N/A	NS
Cherup, 2019	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA, p = 0.872	N/A	NS
Cherup, 2019	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - ANCOVA, p = 0.175	N/A	NS
Cherup, 2019	Moderate	PDQ-39 ( )	.	Strength training: 1hr, 2x/wk, 12 weeks	Power training: 1hr, 2x/wk, 12 weeks	Author Reported - p-val not given	N/A	NS

PICO 3

Table 5453: PICO 3a- Balance vs. Control- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Sessions completed ( )	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported	N/A	NS
Shen, 2014	Moderate	Sessions completed ( )	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported	N/A	NS

Table 5554: PICO 3a- Balance vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Pain (Temporary mild knee pain)	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	RR	1.42(0.24,8.21)	NS
Gandolfi, 2019	High	Pain (Numeric Rating Scale for pain)	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	0.01 (-3.60, 3.62)	NS
Gandolfi, 2019	High	Pain ( )	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	0.48 (-3.08, 4.04)	NS
Rios Romenets, 2015	High	Adverse events ( )	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	RD	.(.,.)	NS
Volpe, 2013	High	Adverse events ( )	.	Irish Dancing: 90min + 1hr home video, 1x/week, 6 months	Standard physiotherapy exercises: 90min + 1hr home video, 1x/week, 6 months	RR	0.90(0.60,1.36)	NS
Schmitz-Hubsch, 2006	Moderate	Pain ( )	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Pain ( )	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Perez de la Cruz, 2017	High	VAS ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	VAS ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS

Table 5655: PICO 3a- Balance vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	UPDRS III ( )	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.43 (-6.16, 3.30)	NS
Kwok, 2019	High	UPDRS III ( )	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-0.84 (-4.89, 3.21)	NS
Gandolfi, 2019	High	UPDRS III ( )	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	-0.03 (-8.13, 8.07)	NS
Gandolfi, 2019	High	UPDRS III ( )	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	-0.96 (-8.40, 6.48)	NS
Gao, 2014	High	UPDRS III ( )	.	Tai Chi (24-form Yang Style): 1hr, 3x/week, 12 weeks	Control (No intervention)	Mean Difference	-4.91 (-9.97, 0.15)	NS
Van Puymbroeck, 2018	High	UPDRS III ( )	.	Yoga: 2x/week, 8 weeks	Control (Wait-list)	Mean Difference	-8.55 (-18.68, 1.58)	NS
Feng, 2019	Moderate	UPDRS III ( )	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	0.14 (-5.42, 5.70)	NS
Gasner, 2019	Moderate	UPDRS III ( )	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-5.3 (-10.54, -0.06)	**Perturbation treadmill training**
Gasner, 2019	Moderate	UPDRS III ( )	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-5.1 (-9.77, -0.43)	**Perturbation treadmill training**
Gasner, 2019	Moderate	UPDRS III (UPDRS III (PIGD))	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.4 (-1.39, 0.59)	NS
Gasner, 2019	Moderate	UPDRS III (UPDRS III (PIGD))	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-1 (-2.20, 0.20)	NS
Gasner, 2019	Moderate	UPDRS III (UPDRS III (Gait))	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.4 (-0.78, -0.02)	**Perturbation treadmill training**
Gasner, 2019	Moderate	UPDRS III (UPDRS III (Gait))	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.4 (-0.83, 0.03)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gasner, 2019	Moderate	UPDRS III (UPDRS III (Postural Stability))	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.1 (-0.51, 0.31)	NS
Gasner, 2019	Moderate	UPDRS III (UPDRS III (Postural Stability))	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.3 (-0.73, 0.13)	NS
Lee, 2018	High	UPDRS III ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	1 (-2.40, 4.40)	NS
Lee, 2018	High	UPDRS Total ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-4.8 (-12.15, 2.55)	NS
Lee, 2018	High	UPDRS III ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	1 (-2.40, 4.40)	NS
Lee, 2018	High	UPDRS Total ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-4.8 (-12.15, 2.55)	NS
Mollinedo-Cardalda, 2018	High	UPDRS III ( )	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-10.58 (-20.31, -0.85)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	UPDRS III ( )	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-9.78 (-21.76, 2.20)	NS
Zhu, 2018	High	UPDRS III ( )	.	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	0.2 (-9.15, 9.55)	NS
Zhu, 2018	High	UPDRS III ( )	6 mos	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	0.6 (-8.27, 9.47)	NS
Kurt, 2018	High	UPDRS III ( )	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	0.6 (-2.20, 3.40)	NS
Shanahan, 2017	Moderate	UPDRS III ( )	.	Dance classes (Irish set): 1.5hr dance class, 1x/week and 20min home dance program 3x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test, p = 0.07	N/A	NS
Carpinella, 2017	High	UPDRS III ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-5.5 (-10.24, -0.76)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	UPDRS III ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-2 (-6.53, 2.53)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheung, 2018	High	UPDRS III ( )	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-5.5 (-7.03, -3.97)	**Hatha yoga program**
Vergara-Diaz, 2018	Moderate	UPDRS III ( )	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	1.69 (-5.20, 8.58)	NS
Vergara-Diaz, 2018	Moderate	UPDRS III ( )	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	3.21 (-3.29, 9.71)	NS
Ni, 2016	Moderate	UPDRS III (UPDRS-III (Bradykinesia Upper Limb))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-4.9 (-5.88, -3.92)	**Power Yoga program**
Ni, 2016	Moderate	UPDRS III (UPDRS-III (Bradykinesia Lower Limb))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-2.8 (-4.43, -1.17)	**Power Yoga program**
Ni, 2016	Moderate	UPDRS III (UPDRS-III (Rigidity))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-3.3 (-4.94, -1.66)	**Power Yoga program**
Ni, 2016	Moderate	UPDRS III (UPDRS-III (Bradykinesia Upper Limb))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-3.4 (-3.40, -3.40)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	UPDRS III (UPDRS-III (Bradykinesia Lower Limb))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-1.9 (-1.90, -1.90)	**Power Training (High-speed resistance training combined balance and agility drills)**
Yang, 2016	High	UPDRS III ( )	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	6.6 (-3.20, 16.40)	NS
Yang, 2016	High	UPDRS III ( )	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	5.6 (-4.47, 15.67)	NS
Rios Romenets, 2015	High	UPDRS III & IV Total ( )	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	UPDRS III ( )	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	UPDRS IV (UPDRS IV (Dyskinesia))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rios Romenets, 2015	High	UPDRS IV (UPDRS IV (Fluctuations))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Volpe, 2014	High	UPDRS III ( )	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 1	N/A	NS
Volpe, 2014	High	UPDRS III ( )	2 mos	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.756	N/A	NS
Van den Heuvel, 2014	High	UPDRS Total ( )	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.132	N/A	NS
Van den Heuvel, 2014	High	UPDRS Total ( )	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.159	N/A	NS
Van den Heuvel, 2014	High	UPDRS III ( )	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.021	N/A	**Exp group favored over Control**
Van den Heuvel, 2014	High	UPDRS III ( )	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.74	N/A	NS
Van den Heuvel, 2014	High	UPDRS III (UPDRS III (Posture & Gait))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.174	N/A	NS
Van den Heuvel, 2014	High	UPDRS III (UPDRS III (Posture & Gait))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.335	N/A	NS
Volpe, 2013	High	UPDRS III ( )	.	Irish Dancing: 90min + 1hr home video, 1x/week, 6 months	Standard physiotherapy exercises: 90min + 1hr home video, 1x/week, 6 months	Mean Difference	-3.58 (-6.37, -0.79)	**Irish Dancing**
Schenkman, 2012	Moderate	UPDRS III ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.2 (-0.90, 0.50)	NS
Schenkman, 2012	Moderate	UPDRS III ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.7 (-1.40, -0.00)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.5 (-1.31, 0.31)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	UPDRS Total ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.9 (-2.78, -1.02)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.8 (-2.82, -0.78)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3 (-4.12, -1.88)	**Flexibility/Balance/Function exercise**
Smania, 2010	Moderate	UPDRS Total ( )	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	UPDRS Total ( )	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Hackney, 2009	Moderate	UPDRS III ( )	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-6.4 (-13.47, 0.67)	NS
Hackney, 2008	High	UPDRS III ( )	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-5.8 (-10.51, -1.09)	**Tai Chi**
Ebersbach, 2008	Moderate	UPDRS III ( )	.	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	0.7 (-3.36, 4.76)	NS
Ebersbach, 2008	Moderate	UPDRS III ( )	4 wks	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-1.5 (-5.93, 2.93)	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Speech))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Speech))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Face))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Face))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Tremor))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Tremor))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Rigidity))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Rigidity))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Bradykinesia))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Bradykinesia))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Posture))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Posture))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Gait))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Gait))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Postural stability))	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III (UPDRS III (Postural stability))	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III ( )	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	UPDRS III ( )	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III ( )	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III ( )	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Capato 2020	High	UPDRS III ( )	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-2.8 (-3.58, -2.02)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS III ( )	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-2.1 (-2.96, -1.24)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS III ( )	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.6 (-2.32, -0.88)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS III ( )	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.9 (-1.68, -0.12)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	UPDRS III ( )	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.1 (-1.02, 0.82)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	UPDRS III ( )	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.1 (-0.95, 0.75)	NS
Zhu, 2020	High	UPDRS III ( )	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS IV ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS Total ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Dyskinesia))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Postural stability))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Gait))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Posture))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Arising from chair))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Leg agility))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Rapid alternating tasks))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Hand movements))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Finger taps))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Rigidity))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Tremor))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Tremor))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kalyani, 2020	Low	UPDRS III (UPDRS III (Face))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS III (UPDRS III (Speech))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Serrao, 2019	High	UPDRS III ( )	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS III ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS III ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS IV ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS IV ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS Total ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS Total ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Kurlan, 2015	Moderate	UPDRS III (UPDRS III (Posture))	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS
Kurlan, 2015	Moderate	UPDRS III (UPDRS III (Hand movements))	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS
Kurlan, 2015	Moderate	UPDRS III ( )	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS

Table 5756: PICO 3a- Balance vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Mobility (TUG)	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	2.31 (-1.33, 5.95)	NS
Kwok, 2019	High	Mobility (TUG)	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.11 (-5.32, 3.10)	NS
Gandolfi, 2019	High	ROM (Trunk forward flexion)	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	-7.33 (-12.80, -1.86)	**Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance)**
Gandolfi, 2019	High	ROM (Trunk forward flexion)	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	-7.11 (-12.53, -1.69)	**Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance)**
Gandolfi, 2019	High	Balance (Mini BESTest)	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	-1.23 (-4.67, 2.21)	NS
Gandolfi, 2019	High	Balance (Mini BESTest)	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	-0.9 (-4.41, 2.61)	NS
Gandolfi, 2019	High	Amount of sway (PDS (Percentage difference of sway) area)	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	2.7 (-16.54, 21.94)	NS
Gandolfi, 2019	High	Amount of sway (PDS (Percentage difference of sway) area)	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	-21.44 (-42.72, -0.16)	**Trunk specific rehabilitation program**
Gandolfi, 2019	High	Amount of sway (PDS (Percentage difference of sway) length of sway)	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	5.13 (-5.58, 15.84)	NS
Gandolfi, 2019	High	Amount of sway (PDS (Percentage difference of sway) length of sway)	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	1.1 (-8.52, 10.72)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gandolfi, 2019	High	Falls (Falls rate)	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	0.36 (-0.30, 1.02)	NS
Gandolfi, 2019	High	Falls (Falls rate)	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	0.2 (-0.26, 0.66)	NS
Walter, 2019	High	Balance (ABC)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	3.1 (-4.72, 10.92)	NS
Walter, 2019	High	Fall Fear/Risk (Falls Control Scale)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	0.85 (-0.83, 2.53)	NS
Walter, 2019	High	Fall Fear/Risk (Falls Management Scale)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	1.36 (-0.47, 3.19)	NS
Gao, 2014	High	Balance (BBS)	.	Tai Chi (24-form Yang Style): 1hr, 3x/week, 12 weeks	Control (No intervention)	Mean Difference	3.83 (-0.11, 7.77)	NS
Gao, 2014	High	Mobility (TUG)	.	Tai Chi (24-form Yang Style): 1hr, 3x/week, 12 weeks	Control (No intervention)	Mean Difference	-2.09 (-3.32, -0.86)	**Tai Chi (24-form Yang Style)**
Gao, 2014	High	Falls (Fallers)	6 mos	Tai Chi (24-form Yang Style): 1hr, 3x/week, 12 weeks	Control (No intervention)	RR	0.44(0.22,0.89)	**Tai Chi (24-form Yang Style)**
Gao, 2014	High	Falls (Time of falls)	6 mos	Tai Chi (24-form Yang Style): 1hr, 3x/week, 12 weeks	Control (No intervention)	Mean Difference	-0.34 (-0.65, -0.03)	**Tai Chi (24-form Yang Style)**
Van Puymbroeck, 2018	High	Balance (Mini BESTest)	.	Yoga: 2x/week, 8 weeks	Control (Wait-list)	Mean Difference	4.95 (-0.33, 10.23)	NS
Van Puymbroeck, 2018	High	Gait assessment (FGA)	.	Yoga: 2x/week, 8 weeks	Control (Wait-list)	Mean Difference	2.6 (-3.10, 8.30)	NS
Van Puymbroeck, 2018	High	FOG ( )	.	Yoga: 2x/week, 8 weeks	Control (Wait-list)	Mean Difference	-1.75 (-6.09, 2.59)	NS
Feng, 2019	Moderate	Balance (BBS)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	4.71 (1.22, 8.20)	**Virtual reality training (Balance & gait)**
Feng, 2019	Moderate	Mobility (TUG)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	-4.21 (-8.15, -0.27)	**Virtual reality training (Balance & gait)**
Feng, 2019	Moderate	Gait assessment (FGA)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	2.78 (0.15, 5.41)	**Virtual reality training (Balance & gait)**
Wong-Yu, 2019	High	Falls (Fallers)	.	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wong-Yu, 2019	High	Falls (Fallers)	12 mos	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	RD	.(.,.)	NS
Wong-Yu, 2019	High	Falls (Noninjurious falls)	.	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	RD	.(.,.)	NS
Wong-Yu, 2019	High	Falls (Noninjurious falls)	12 mos	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	RD	.(.,.)	NS
Wong-Yu, 2019	High	Balance (BESTest)	.	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	Author Reported - Chi Sq test	4.31(1.96,10.98)	**Balance training favored over Control**
Wong-Yu, 2019	High	Balance (BESTest)	12 mos	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	Author Reported - Chi Sq test	2.42(0.96,6.13)	NS
Wong-Yu, 2019	High	Mobility (Dual Task-TUG (sec))	.	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	Author Reported - Chi Sq test	2.51(1.01,6.25)	**Balance training favored over Control**
Wong-Yu, 2019	High	Mobility (Dual Task-TUG (sec))	12 mos	Multisystem Balance Training (Indoor & Outdoor): 3hrs/week, 8 weeks	Control (Upper limb activities in sitting position): 3hrs/week, 8 weeks; home exercises	Author Reported - Chi Sq test	1.83(0.75,4.44)	NS
Joseph, 2019	Moderate	Balance (Mini BESTest)	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual care)	Author Reported	N/A	NS
Joseph, 2019	Moderate	Gait velocity (Normal gait velocity)	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual care)	Author Reported	N/A	NS
Wallen, 2018	High	Balance (Mini BESTest)	10 wks	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	2.7 (1.37, 4.03)	**HiBalance training program**
Wallen, 2018	High	Balance (Mini BESTest)	6 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	1.6 (-0.07, 3.27)	NS
Wallen, 2018	High	Balance (Mini BESTest)	12 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	1.3 (-0.41, 3.01)	NS
Wallen, 2018	High	Gait velocity ( )	10 wks	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0.1 (0.02, 0.18)	**HiBalance training program**
Wallen, 2018	High	Gait velocity ( )	6 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0 (-0.08, 0.08)	NS
Wallen, 2018	High	Gait velocity ( )	12 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0 (-0.08, 0.08)	NS
Wallen, 2018	High	Step (Step length)	10 wks	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	4.8 (1.31, 8.29)	**HiBalance training program**
Wallen, 2018	High	Step (Step length)	6 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	2.1 (-1.47, 5.67)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wallen, 2018	High	Step (Step length)	12 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	2.4 (-1.46, 6.26)	NS
Wallen, 2018	High	UPDRS II ( )	10 wks	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	-0.8 (-2.68, 1.08)	NS
Wallen, 2018	High	UPDRS II ( )	6 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0.1 (-2.18, 2.38)	NS
Wallen, 2018	High	UPDRS II ( )	12 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	-0.3 (-2.36, 1.76)	NS
Wallen, 2018	High	Task error (Dual task (% error))	10 wks	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Author Reported - ANOVA, $p < 0.10$	N/A	NS
Wallen, 2018	High	Task error (Dual task (% error))	6 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Author Reported - ANOVA, $p < 0.10$	N/A	NS
Wallen, 2018	High	Task error (Dual task (% error))	12 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Author Reported - ANOVA, $p < 0.10$	N/A	NS
Kunkel, 2017	High	Balance (BBS)	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	-0.1 (-4.61, 4.41)	NS
Kunkel, 2017	High	Balance (BBS)	6 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	-1.6 (-4.54, 1.34)	NS
Kunkel, 2017	High	Posture (Spinal mouse (Inclination score))	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	1.2 (-2.67, 5.07)	NS
Kunkel, 2017	High	Posture (Spinal mouse (Inclination score))	6 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	0.8 (-3.61, 5.21)	NS
Kunkel, 2017	High	Turning (SS180 (sec))	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	0.2 (-0.32, 0.72)	NS
Kunkel, 2017	High	Turning (SS180 (step count))	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	0.4 (-0.57, 1.37)	NS
Kunkel, 2017	High	Mobility (TUG)	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	1.9 (-1.01, 4.81)	NS
Kunkel, 2017	High	Balance (ABC)	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	5.3 (-7.25, 17.85)	NS
Kunkel, 2017	High	Balance (ABC)	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	-25.9 (-83.97, 32.17)	NS
Kunkel, 2017	High	Turning (SS180 (sec))	6 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	0.4 (-0.18, 0.98)	NS
Kunkel, 2017	High	Turning (SS180 (step count))	6 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	1.3 (-0.38, 2.98)	NS
Kunkel, 2017	High	Mobility (TUG)	6 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	1 (-1.35, 3.35)	NS
Kunkel, 2017	High	Balance (ABC)	6 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	0.2 (-12.72, 13.12)	NS
Steib, 2019	High	Stride (Stride length)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stride (Stride time)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS

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Steib, 2019	High	Stance duration (Stance time (% of gait cycle))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Swing (Swing time (% of gait cycle))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stride (Stride length CV)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stride (Stride time CV (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stance duration (Stance time CV (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Swing (Swing time CV (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Step (Step length asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Step (Step time asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stance duration (Stance time asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Swing (Swing time asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Lofgren, 2019	Moderate	Step (Single task- Step velocity (m/s))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task: Step length)	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Swing (Single task- Swing time variability (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task: Step time)	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Swing (Single task- Swing time (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Stance duration (Single task- Step length variability (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task- Step velocity variability (m/s))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task- Step length variability (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lofgren, 2019	Moderate	Step (Single Task- Step time variability)	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Stance duration ( )	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Swing (Single task- Swing time asymmetry (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task- Step time asymmetry (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Stance duration ( )	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task- Step length asymmetry (m))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task- Step width (m))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Single task- Step width variability (m))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual task- Step velocity (m/s))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual task: Step length)	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Swing (Dual task- Swing time variability (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual task- Step time (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Swing (Dual task- Swing time (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Stance duration ( )	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual task- Step velocity variability (m/s))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual task- Step length variability (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual Task- Step time variability)	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Stance duration ( )	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Swing (Dual task- Swing time asymmetry (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lofgren, 2019	Moderate	Step (Dual task- Step time asymmetry (ms))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Stance duration ( )	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual Task- Step asymmetry)	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual task- Step width (m))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lofgren, 2019	Moderate	Step (Dual task- Step width variability (m))	.	HiBalance training program: 1hr, 1x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test	N/A	NS
Lee, 2018	High	UPDRS II ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-0.5 (-2.56, 1.56)	NS
Lee, 2018	High	Balance (BBS)	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	1.1 (-0.81, 3.01)	NS
Lee, 2018	High	UPDRS II ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-0.5 (-2.56, 1.56)	NS
Lee, 2018	High	Balance (BBS)	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	1.1 (-0.81, 3.01)	NS
Perez-de la Cruz, 2018	Moderate	Stance duration (Left single leg standing (sec))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	2.8 (1.32, 4.28)	**Aquatic Ai Chi**
Perez-de la Cruz, 2018	Moderate	Stance duration (Left single leg standing (sec))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	8.34 (4.49, 12.19)	**Aquatic Ai Chi**
Perez-de la Cruz, 2018	Moderate	Stance duration (Right single leg standing (sec))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	3.94 (2.00, 5.88)	**Aquatic Ai Chi**
Perez-de la Cruz, 2018	Moderate	Stance duration (Right single leg standing (sec))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	9.67 (6.32, 13.02)	**Aquatic Ai Chi**
Mollinedo-Cardalda, 2018	High	Mobility (30S Chair Stand Test (reps))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	11.53 (6.74, 16.32)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (30S Chair Stand Test (reps))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	10.8 (5.53, 16.07)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (5T Sit-to-Stand)	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-3.35 (-6.01, -0.69)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (5T Sit-to-Stand)	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-2.95 (-5.95, 0.05)	NS

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Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Average angular velocity (°/s))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	11.39 (-0.99, 23.77)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Average angular velocity (°/s))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-7.97 (-12.61, -3.33)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Peak angular velocity (°/s))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	88.47 (-14.73, 191.67)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Peak angular velocity (°/s))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-70.97 (-127.27, -14.67)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Peak flexion angle (°))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	2.05 (-3.59, 7.69)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Peak flexion angle (°))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-2.93 (-6.83, 0.97)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Peak extension angle (°))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	3.39 (0.22, 6.56)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Peak extension angle (°))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-2.98 (-5.85, -0.11)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: AP range (m/s2))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	1.73 (0.34, 3.12)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: AP range (m/s2))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-1.52 (-2.76, -0.28)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: PD range (m/s2))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	1.17 (-0.91, 3.25)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: PD range (m/s2))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	0.4 (-1.48, 2.28)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: ML range (m/s2))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	0.45 (-0.32, 1.22)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: ML range (m/s2))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.86 (-1.25, -0.47)	**Mat Pilates (TheraBand)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand (sec))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.22 (-0.69, 0.25)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand (sec))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	0.45 (0.10, 0.80)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Go: Gait Go (sec))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.57 (-3.27, 2.13)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Go: Gait Go (sec))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.08 (-1.93, 1.77)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Turning: Average angular velocity (°/s))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	16.61 (-6.83, 40.05)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Turning: Average angular velocity (°/s))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	21.69 (-2.54, 45.92)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Turning: Peak angular velocity (°/s))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	144.57 (59.60, 229.54)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Turning: Peak angular velocity (°/s))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	105.36 (31.88, 178.84)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Turning (sec))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.14 (-0.44, 0.16)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Turning (sec))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.26 (-0.85, 0.33)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Return: Gait return (sec))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.01 (-2.68, 2.66)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Return: Gait return (sec))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	0.46 (-0.34, 1.26)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Turning peak angular velocity (°/s))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	179.49 (97.74, 261.24)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Turning peak angular velocity (°/s))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	115.12 (36.35, 193.89)	**Control (Calisthenics exercises)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Peak flexion angle turning (°))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-10.11 (-21.41, 1.19)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Peak flexion angle turning (°))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-10.63 (-33.96, 12.70)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Peak extension angle turning (°))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	2.5 (-3.94, 8.94)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Peak extension angle turning (°))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-15.6 (-35.42, 4.22)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Average angular velocity turning (°/s))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	63.99 (15.72, 112.26)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Sit to Stand: Average angular velocity turning (°/s))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	58.75 (12.81, 104.69)	**Control (Calisthenics exercises)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Time turning (sec))	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.5 (-1.33, 0.33)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG- Stand to Sit: Time turning (sec))	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-0.62 (-1.13, -0.11)	**Mat Pilates (TheraBand)**
Mollinedo-Cardalda, 2018	High	Mobility (TUG)	.	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-1.44 (-3.66, 0.78)	NS
Mollinedo-Cardalda, 2018	High	Mobility (TUG)	4 wks	Mat Pilates (TheraBand): 1hr, 2x/week, 12 weeks	Control (Calisthenics exercises): 1hr, 2x/week, 12 weeks	Mean Difference	-1.81 (-5.12, 1.50)	NS
Zhu, 2018	High	UPDRS II ( )	.	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-1.1 (-5.06, 2.86)	NS
Zhu, 2018	High	UPDRS II ( )	6 mos	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-0.9 (-4.40, 2.60)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Zhu, 2018	High	FOG ( )	.	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-2.5 (-4.10, -0.90)	**Obstacle aquatic therapy**
Zhu, 2018	High	FOG ( )	6 mos	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-2.4 (-3.91, -0.89)	**Obstacle aquatic therapy**
Zhu, 2018	High	Balance (Functional Reach Test)	.	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-0.1 (-3.02, 2.82)	NS
Zhu, 2018	High	Balance (Functional Reach Test)	6 mos	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-2.4 (-4.99, 0.19)	NS
Zhu, 2018	High	Mobility (TUG)	.	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-3.3 (-5.41, -1.19)	**Obstacle aquatic therapy**
Zhu, 2018	High	Mobility (TUG)	6 mos	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	-3.4 (-4.68, -2.12)	**Obstacle aquatic therapy**
Zhu, 2018	High	Balance (BBS)	.	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	0.1 (-3.66, 3.86)	NS
Zhu, 2018	High	Balance (BBS)	6 mos	Obstacle aquatic therapy: 40min, 5x/week, 6 weeks	Control (Traditional aquatic therapy- 1) trunk mobility, 2) postural stability, 3) going up and downstairs): 40min, 5x/week, 6 weeks	Mean Difference	0.8 (-3.07, 4.67)	NS
Kurt, 2018	High	Balance (Anterior Posterior Stability Index)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	-0.01 (-0.43, 0.41)	NS
Kurt, 2018	High	Balance (Medial Lateral Stability Index)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	0.18 (-0.49, 0.85)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kurt, 2018	High	Balance (Overall Balance Index)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	-0.39 (-1.12, 0.34)	NS
Kurt, 2018	High	Balance (BBS)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	1 (-7.25, 9.25)	NS
Kurt, 2018	High	Mobility (TUG)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	1.04 (-3.43, 5.51)	NS
Steib, 2017	High	Gait speed (Comfortable gait speed (m/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.01 (-0.15, 0.13)	NS
Steib, 2017	High	Gait speed (Comfortable gait speed (m/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.03 (-0.21, 0.15)	NS
Steib, 2017	High	Gait speed (Fast gait speed (m/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.05 (-0.16, 0.26)	NS
Steib, 2017	High	Gait speed (Fast gait speed (m/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.08 (-0.18, 0.34)	NS
Steib, 2017	High	Walk test (Treadmill training speed (m/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	6.1 (-13.81, 26.01)	NS
Steib, 2017	High	Walk test (2MWT (m))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	8.9 (-19.74, 37.54)	NS
Steib, 2017	High	Gait speed (Treadmill training speed (m/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.1 (-0.23, 0.03)	NS
Steib, 2017	High	Mobility (TUG)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.2 (-1.50, 1.10)	NS
Steib, 2017	High	Mobility (TUG)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.2 (-2.13, 1.73)	NS
Steib, 2017	High	Balance (Mini BESTest)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.2 (-1.98, 1.58)	NS
Steib, 2017	High	Balance (Mini BESTest)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.2 (-2.45, 2.85)	NS
Steib, 2017	High	Balance (Mini BESTest (Dynamic gait))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.1 (-0.70, 0.90)	NS
Steib, 2017	High	Balance (Mini BESTest (Dynamic gait))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.1 (-1.30, 1.10)	NS
Steib, 2017	High	Balance (Mini BESTest (Reactive postural control))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.2 (-0.48, 0.88)	NS
Steib, 2017	High	Balance (Mini BESTest (Reactive postural control))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.2 (-0.60, 1.00)	NS
Steib, 2017	High	Balance (Mini BESTest (Anticipatory))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.5 (-0.99, -0.01)	**Control (Conventional treadmill training)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Steib, 2017	High	Balance (Mini BESTest (Anticipatory))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0 (-0.73, 0.73)	NS
Steib, 2017	High	Balance (Mini BESTest (Sensory orientation))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-0.1 (-0.51, 0.31)	NS
Steib, 2017	High	Balance (Mini BESTest (Sensory orientation))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.2 (-0.26, 0.66)	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- Velocity (mm/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-1.8 (-5.05, 1.45)	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- Velocity (mm/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-1.65 (-5.00, 1.70)	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- RMS (mm))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-1.5 (-3.66, 0.66)	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- RMS (mm))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-2.09 (-3.94, -0.24)	**Perturbed treadmill training**
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- Velocity (mm/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-2.3 (-8.35, 3.75)	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- Velocity (mm/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-2.92 (-9.28, 3.44)	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- RMS (mm))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-2.2 (-4.60, 0.20)	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- RMS (mm))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	-2.35 (-4.92, 0.22)	NS
Steib, 2017	High	Balance (ABC)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	2.7 (-5.91, 11.31)	NS
Steib, 2017	High	Balance (ABC)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Mean Difference	0.7 (-12.18, 13.58)	NS
Hulbert, 2017	High	Turning (SS180: Segment rotation- Head (°))	.	Dance classes (Ballroom/Latin American): 1hr, 2x/week, 10 weeks	Control (Usual care)	Author Reported - ANOVA	N/A	NS
Hulbert, 2017	High	Turning (SS180: Segment rotation- Thorax (°))	.	Dance classes (Ballroom/Latin American): 1hr, 2x/week, 10 weeks	Control (Usual care)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Hulbert, 2017	High	Turning (SS180: Segment rotation- Shoulder (°))	.	Dance classes (Ballroom/Latin American): 1hr, 2x/week, 10 weeks	Control (Usual care)	Author Reported - ANOVA	N/A	NS
Hulbert, 2017	High	Turning (SS180: Segment rotation- Pelvis (°))	.	Dance classes (Ballroom/Latin American): 1hr, 2x/week, 10 weeks	Control (Usual care)	Author Reported - ANOVA	N/A	NS
Hulbert, 2017	High	Turning (SS180: A/P Weight transference)	.	Dance classes (Ballroom/Latin American): 1hr, 2x/week, 10 weeks	Control (Usual care)	Author Reported - ANOVA, p = 0.295	N/A	NS
Hulbert, 2017	High	Turning (SS180: Total weight transference)	.	Dance classes (Ballroom/Latin American): 1hr, 2x/week, 10 weeks	Control (Usual care)	Author Reported - ANOVA, p = 0.209	N/A	NS
Hulbert, 2017	High	Turning (SS180: Stance width)	.	Dance classes (Ballroom/Latin American): 1hr, 2x/week, 10 weeks	Control (Usual care)	Author Reported - ANOVA, p = 0.981	N/A	NS
Shanahan, 2017	Moderate	Walk test (6MWT (m))	.	Dance classes (Irish set): 1.5hr dance class, 1x/week and 20min home dance program 3x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test, p = 0.33	N/A	NS
Shanahan, 2017	Moderate	Balance (Mini BESTest)	.	Dance classes (Irish set): 1.5hr dance class, 1x/week and 20min home dance program 3x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test, p = 0.28	N/A	NS
Ribas, 2017	High	Balance (BBS)	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	4.1 (1.83, 6.37)	**Exergaming (Nintendo with Wii Balance Board)**
Ribas, 2017	High	Balance (BBS)	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	0.8 (-2.62, 4.22)	NS
Ribas, 2017	High	Walk test (6MWT (m))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	-29 (-111.01, 53.01)	NS
Ribas, 2017	High	Walk test (6MWT (m))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	-16 (-94.99, 62.99)	NS
Carpinella, 2017	High	Balance (BBS)	.	Gamepad (tailored balance and gait exercise program with real-time acoustic and visual feedback): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	6.8 (1.19, 12.41)	**Gamepad (tailored balance and gait exercise program with real-time acoustic and visual feedback)**
Carpinella, 2017	High	Balance (BBS)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	5.8 (-1.36, 12.96)	NS
Carpinella, 2017	High	Walk test (10MWT (m/s))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	0.3 (0.12, 0.48)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Walk test (10MWT (m/s))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	0.3 (0.10, 0.50)	**Gamepad (tailored balance and gait exercises)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Carpinella, 2017	High	Mobility (TUG)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-10.6 (-18.93, -2.27)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Mobility (TUG)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-6.8 (-12.90, -0.70)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Balance (ABC)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	19.4 (5.01, 33.79)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Balance (ABC)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	15.3 (1.62, 28.98)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	FOG ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.7 (-4.67, 1.27)	NS
Carpinella, 2017	High	FOG ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.5 (-4.50, 1.50)	NS
Carpinella, 2017	High	Amount of sway (CoP ML sway (mm))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.9 (-3.48, -0.32)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Amount of sway (CoP ML sway (mm))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.5 (-4.21, 1.21)	NS
Carpinella, 2017	High	Amount of sway (CoP AP sway (mm))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.7 (-3.77, 0.37)	NS
Carpinella, 2017	High	Amount of sway (CoP AP sway (mm))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-0.9 (-3.17, 1.37)	NS
Santos, 2017	Moderate	Amount of sway (CoP Length)	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	12.75 (-47.08, 72.58)	NS
Santos, 2017	Moderate	Amount of sway (CoP Length)	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-41.16 (-166.98, 84.66)	NS
Santos, 2017	Moderate	Amount of sway (CoP Area)	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	219.28 (-49.30, 487.86)	NS
Santos, 2017	Moderate	Amount of sway (CoP Area)	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	422.13 (-51.79, 896.05)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2017	Moderate	Amount of sway (CoP Speed)	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	0.51 (-1.29, 2.31)	NS
Santos, 2017	Moderate	Amount of sway (CoP Speed)	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	0.94 (-0.27, 2.15)	NS
Santos, 2017	Moderate	Amount of sway (CoP Xmean (mm))	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	2.65 (-16.47, 21.77)	NS
Santos, 2017	Moderate	Amount of sway (CoP Xmean (mm))	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	2.37 (-8.57, 13.31)	NS
Santos, 2017	Moderate	Amount of sway (CoP Ymean (mm))	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	20.88 (7.66, 34.10)	**Control (Usual physical activity)**
Santos, 2017	Moderate	Amount of sway (CoP Ymean (mm))	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	19.46 (0.95, 37.97)	**Control (Usual physical activity)**
Santos, 2017	Moderate	Amount of sway (CoP Xspeed (mm/s))	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-0.56 (-1.91, 0.79)	NS
Santos, 2017	Moderate	Amount of sway (CoP Xspeed (mm/s))	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-0.1 (-3.08, 2.88)	NS
Santos, 2017	Moderate	Amount of sway (CoP Yspeed (mm/s))	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	0.26 (-1.11, 1.63)	NS
Santos, 2017	Moderate	Amount of sway (CoP Yspeed (mm/s))	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	0.51 (-0.89, 1.91)	NS
Santos, 2017	Moderate	Amount of sway (CoP Xdeviation (mm))	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-0.4 (-5.06, 4.26)	NS
Santos, 2017	Moderate	Amount of sway (CoP Xdeviation (mm))	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	2.37 (-1.15, 5.89)	NS
Santos, 2017	Moderate	Amount of sway (CoP Ydeviation (mm))	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	1.26 (-0.01, 2.53)	NS
Santos, 2017	Moderate	Amount of sway (CoP Ydeviation (mm))	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	2.11 (0.15, 4.07)	**Control (Usual physical activity)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2017	Moderate	FOG ( )	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-1.9 (-6.54, 2.74)	NS
Santos, 2017	Moderate	FOG ( )	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-0.6 (-5.30, 4.10)	NS
Santos, 2017	Moderate	Fall Fear/Risk (FES)	.	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-0.9 (-12.07, 10.27)	NS
Santos, 2017	Moderate	Fall Fear/Risk (FES)	4 wks	Supervised Slackline Training Program (focused solely on static body posture): 23min, 2x/week, 6 weeks	Control (Usual physical activity)	Mean Difference	-2.9 (-14.60, 8.80)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTc (CV %))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.67 (-3.12, 1.78)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTc (CV %))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.2 (-1.23, 1.63)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTs (CV %))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.65 (0.04, 1.26)	**Control (Usual care)**
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTs (CV %))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.31 (-0.97, 1.59)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability ST (CV %))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.66 (0.15, 1.17)	**Control (Usual care)**
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability ST (CV %))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.13 (-0.41, 0.67)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTc (m/sec))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.11 (-0.28, 0.06)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTc (m/sec))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.11 (-0.27, 0.05)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTs (m/sec))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.12 (-0.27, 0.03)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTs (m/sec))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.17 (-0.33, -0.01)	**Control (Usual care)**
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed ST (m/sec))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.11 (-0.25, 0.03)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed ST (m/sec))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.09 (-0.24, 0.06)	NS
Vergara-Diaz, 2018	Moderate	Balance (ABC)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-2 (-12.44, 8.44)	NS
Vergara-Diaz, 2018	Moderate	Balance (ABC)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	1.6 (-8.29, 11.49)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vergara-Diaz, 2018	Moderate	Mobility (TUG)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.03 (-1.45, 1.39)	NS
Vergara-Diaz, 2018	Moderate	Mobility (TUG)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.61 (-2.29, 1.07)	NS
Hewitt, 2018	Moderate	Physical performance (SPPB)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Physical performance (SPPB)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Mobility (University of Alabama Life Space Assessment)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Mobility (University of Alabama Life Space Assessment)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Fall Fear/Risk (FES-I)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Fall Fear/Risk (FES-I)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Falls (Number of fallers (_x001A_1))	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	RD	.(.,.)	NS
Hewitt, 2018	Moderate	Falls (Number of fallers (_x001A_5))	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	RD	.(.,.)	NS
Hewitt, 2018	Moderate	Falls (Falls rate)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.9 (-1.92, 0.12)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.4 (-1.81, 1.01)	NS
Cheng, 2016	High	Amount of sway (SQT (Turn sway) (°))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-2.6 (-10.62, 5.42)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Amount of sway (SQT (Turn sway) (°))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	2.2 (-7.78, 12.18)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.2 (-1.29, 1.69)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.1 (-1.57, 1.77)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	4.1 (-1.14, 9.34)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	5.7 (0.10, 11.30)	**Specific exercise (Muscle strengthening and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.01 (-0.03, 0.01)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.02 (-0.04, -0.00)	**Control exercise (Trunk exercise and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0 (-0.05, 0.05)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.05, 0.07)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.04 (-0.06, 0.14)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.05 (-0.06, 0.16)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.8 (-1.25, 2.85)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.7 (-1.48, 2.88)	NS
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.9 (-2.27, 0.47)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1.3 (-2.91, 0.31)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion- Anterior) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	16.1 (5.10, 27.10)	**Specific exercise (Muscle strengthening and turning training)**
Cheng, 2016	High	Stability (LOS (Maximal excursion- Anterior) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	16.1 (5.19, 27.01)	**Specific exercise (Muscle strengthening and turning training)**
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	9.6 (-2.58, 21.78)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	4 (-7.29, 15.29)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	48 (-56.64, 152.64)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	39.6 (-61.50, 140.70)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	106.3 (-16.59, 229.19)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	102.9 (-15.72, 221.52)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	82.6 (-18.96, 184.16)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	67.7 (-20.90, 156.30)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	20.5 (-25.14, 66.14)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	16.2 (-28.55, 60.95)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	33.2 (-22.84, 89.24)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	51.1 (-0.61, 102.81)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	.	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	25.1 (-25.89, 76.09)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	1 mos	Specific exercise (Muscle strengthening and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	9.5 (-34.00, 53.00)	NS
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1 (-1.81, -0.19)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Turning (SQT (Turn time) (sec))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.7 (-1.79, 0.39)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.2 (-1.00, 0.60)	NS
Cheng, 2016	High	Turning (Sudden 180° turn during walking (Turn time) (sec))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.3 (-1.26, 0.66)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	7.8 (3.03, 12.57)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) ( )	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	7.9 (2.23, 13.57)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.03 (-0.06, -0.00)	**Control exercise (Trunk exercise and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Somatosensory ratio))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.03 (-0.06, -0.00)	**Control exercise (Trunk exercise and turning training)**
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.04, 0.06)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Visual ratio))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.01 (-0.04, 0.06)	NS
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.14 (0.03, 0.25)	**Turning-based training (Treadmill and turning training)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Sensory Organization Test (SOT) (SOT (Vestibular ratio))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	0.08 (-0.04, 0.20)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.1 (-1.95, 1.75)	NS
Cheng, 2016	High	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-0.2 (-2.23, 1.83)	NS
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1 (-2.96, 0.96)	NS
Cheng, 2016	High	Turning (Tinetti (360° turn time) (sec))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	-1.3 (-3.50, 0.90)	NS
Cheng, 2016	High	Stability (LOS: Maximal excursion- Anterior (%))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	9.3 (-2.58, 21.18)	NS
Cheng, 2016	High	Stability (LOS: Maximal excursion- Anterior (%))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	14.8 (0.98, 28.62)	**Turning-based training (Treadmill and turning training)**
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	5.9 (-4.48, 16.28)	NS
Cheng, 2016	High	Stability (LOS (Maximal excursion- Lateral) (%))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	3 (-7.85, 13.85)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	66.5 (-75.93, 208.93)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity flexors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	54.3 (-96.61, 205.21)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	38 (-109.38, 185.38)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity extensors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	38.1 (-108.84, 185.04)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	25.6 (-80.25, 131.45)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity abductors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	27.6 (-74.21, 129.41)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	20.1 (-35.61, 75.81)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Lower extremity adductors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	19.9 (-36.12, 75.92)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	20.5 (-41.71, 82.71)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle dorsiflexors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	37.3 (-20.16, 94.76)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	.	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	40.1 (-14.78, 94.98)	NS
Cheng, 2016	High	Strength/Power (Muscle strength: Ankle plantar flexors (N))	1 mos	Turning-based training (Treadmill and turning training): 40 min per session, 12 sessions	Control exercise (Trunk exercise and turning training): 40 min per session, 12 sessions	Mean Difference	32.8 (-21.64, 87.24)	NS
Klamroth, 2016	High	Gait speed (Overground walking speed (m/s))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Gait speed (Overground walking speed (m/s))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Amount of sway (vCOP (mm/s))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Amount of sway (vCOP (mm/s))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Amount of sway (aCOP (mm2))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Amount of sway (aCOP (mm2))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride length)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride length)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Step width)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Step width)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride time)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride time)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Double support (Double support (% gait cycle))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Double support (Double support (% gait cycle))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Cadence)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Cadence)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Stride (Variability stride length (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Variability stride length (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Variability step width (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Variability step width (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Variability stride time (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Variability stride time (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Double support (Variability double limb support (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Double support (Variability double limb support (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Variability cadence (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Variability cadence (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Symmetry step length (cm))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Step (Symmetry step length (cm))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Symmetry step time (ms))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Symmetry step time (ms))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stance duration (Symmetry stance phase (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stance duration (Symmetry stance phase (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable over ground walking speed	Author Reported	N/A	NS
Yang, 2016	Moderate	Step (Single Task- Foot clearance (cm))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	2.42 (1.76, 3.08)	**Clock-turn group**
Yang, 2016	Moderate	Step (Dual Task- Foot clearance (cm))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	1.47 (1.17, 1.77)	**Clock-turn group**
Yang, 2016	Moderate	Step (Single Task- Step time variability)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-0.18 (-0.23, -0.13)	**Clock-turn group**
Yang, 2016	Moderate	Step (Dual Task- Step time variability)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-0.18 (-0.30, -0.06)	**Clock-turn group**
Yang, 2016	Moderate	Step (Single Task- Step asymmetry)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-11.68 (-17.36, -6.00)	**Clock-turn group**
Yang, 2016	Moderate	Step (Dual Task- Step asymmetry)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-10.96 (-16.67, -5.25)	**Clock-turn group**
Yang, 2016	Moderate	Turning (Single Task- Turning time (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-2.18 (-4.21, -0.15)	**Clock-turn group**
Yang, 2016	Moderate	Turning (Dual Task- Turning time (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-0.93 (-2.66, 0.80)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2016	Moderate	Step (Single Task- Number of turning steps)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-1.77 (-4.22, 0.68)	NS
Yang, 2016	Moderate	Turning (Dual Task- Number of turning steps)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-1.13 (-3.86, 1.60)	NS
Yang, 2016	Moderate	FOG (Single Task- FOG number)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	
Yang, 2016	Moderate	FOG (Dual Task- FOG number)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	
Yang, 2016	Moderate	FOG (Single Task- FOG duration)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	
Yang, 2016	Moderate	FOG (Dual Task- FOG duration)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	
Yang, 2016	Moderate	Mobility (Single Task- TUG (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-3.7 (-8.46, 1.06)	NS
Yang, 2016	Moderate	Mobility (Dual Task- TUG (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-2.97 (-7.72, 1.78)	NS
Ni, 2016	Moderate	Strength/Power (Strength (Bicep curl))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	2.7 (0.55, 4.85)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Strength (Chest press))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	2.5 (0.53, 4.47)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Strength (Leg press))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	19.9 (5.86, 33.94)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Strength (Hip abduction))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	5.4 (1.91, 8.89)	**Power Yoga program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2016	Moderate	Strength/Power (Strength (Seated calf))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	33.9 (22.56, 45.24)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Power-Biceps curl (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	7.8 (-9.36, 24.96)	NS
Ni, 2016	Moderate	Strength/Power (Power-Chest press (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	18.6 (-2.56, 39.76)	NS
Ni, 2016	Moderate	Strength/Power (Power-Leg press (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	137.2 (77.00, 197.40)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Power-Abduction (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	10.3 (-4.91, 25.51)	NS
Ni, 2016	Moderate	Strength/Power (Power-Seated calf (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	3 (-28.13, 34.13)	NS
Ni, 2016	Moderate	Strength/Power (Strength (Bicep curl))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	2.8 (2.80, 2.80)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Chest press))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	3.7 (3.70, 3.70)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Leg press))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	15.2 (15.20, 15.20)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Hip abduction))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	10.4 (10.40, 10.40)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Strength (Seated calf))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	29.2 (29.20, 29.20)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Power-Biceps curl (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	11.9 (-2.19, 25.99)	NS
Ni, 2016	Moderate	Strength/Power (Power-Chest press (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	55.2 (17.28, 93.12)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Power-Leg press (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	196.8 (126.17, 267.43)	**Power Training (High-speed resistance training combined balance and agility drills)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2016	Moderate	Strength/Power (Power-Abduction (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	29.2 (7.51, 50.89)	**Power Training (High-speed resistance training combined balance and agility drills)**
Ni, 2016	Moderate	Strength/Power (Power-Seated calf (watts))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	50.9 (0.96, 100.84)	**Power Training (High-speed resistance training combined balance and agility drills)**
Stozek, 2016	High	Stability (Pastor test (shoulder tug))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-1.2 (-1.59, -0.81)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Stability (Pastor test (shoulder tug))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-1.1 (-1.51, -0.69)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Stance duration (Tandem stance (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	8.53 (4.31, 12.75)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Stance duration (Tandem stance (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	9.31 (5.25, 13.37)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Walk test (10MWT time)	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.24 (-6.69, -1.79)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Walk test (10MWT time)	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.24 (-6.04, -2.44)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Stozek, 2016	High	Walk test (10MWT (steps))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.1 (-6.77, -1.43)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Walk test (10MWT (steps))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.98 (-7.16, -2.80)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Walk test (10MWT (Step length))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	0.12 (0.06, 0.18)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Walk test (10MWT (Step length))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	0.15 (0.10, 0.20)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Turning (360° Turn test (steps))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-2.9 (-4.53, -1.27)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Turning (360° Turn test (steps))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.1 (-6.63, -1.57)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Physical performance (Physical Performance Test)	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	9.2 (7.41, 10.99)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Stozek, 2016	High	Physical performance (Physical Performance Test)	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	9.3 (7.69, 10.91)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Standing up from sitting position (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-1.22 (-2.15, -0.29)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Standing up from sitting position (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-1.02 (-1.61, -0.43)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Standing up from lying position on treatment table (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-2.9 (-4.25, -1.55)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Standing up from lying position on treatment table (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-3.47 (-4.80, -2.14)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Standing up from lying position on mat (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-7.14 (-10.90, -3.38)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Standing up from lying position on mat (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-8.05 (-11.77, -4.33)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Stozek, 2016	High	Transfers (Standing up from lying to sitting position (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-3.06 (-4.90, -1.22)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Standing up from lying to sitting position (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-3.61 (-5.38, -1.84)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Sitting down from standing position (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-0.83 (-1.15, -0.51)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Sitting down from standing position (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-0.76 (-1.12, -0.40)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Lying down on treatment table, from standing position (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-5.03 (-7.20, -2.86)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Lying down on treatment table, from standing position (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.41 (-5.87, -2.95)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Lying down on treatment table from sitting position (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-2.63 (-3.61, -1.65)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Stozek, 2016	High	Transfers (Lying down on treatment table from sitting position (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-2.34 (-3.20, -1.48)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Lying down on mat from standing position (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-5.05 (-7.19, -2.91)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Lying down on mat from standing position (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-5.19 (-7.57, -2.81)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Supine to side lying position on treatment table (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.23 (-5.93, -2.53)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Supine to side lying position on treatment table (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.25 (-6.00, -2.50)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Supine to prone lying position on exercise mat (sec))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.82 (-6.91, -2.73)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	Transfers (Supine to prone lying position on exercise mat (sec))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	-4.71 (-6.46, -2.96)	**Control (Medication therapy)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Stozek, 2016	High	ROM (Lumbar spine rotation R (cm))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	2.71 (2.10, 3.32)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	ROM (Lumbar spine rotation R (cm))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	2.48 (1.84, 3.12)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	ROM (Lumbar spine rotation L (cm))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	2.65 (1.89, 3.41)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	ROM (Lumbar spine rotation L (cm))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	2.71 (1.93, 3.49)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	ROM (Thoraco-lumbar spine rotation R (cm))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	2.99 (2.07, 3.91)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	ROM (Thoraco-lumbar spine rotation R (cm))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	3.22 (2.26, 4.18)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Stozek, 2016	High	ROM (Thoraco-lumbar spine rotation L (cm))	.	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	3.17 (2.18, 4.16)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Stozek, 2016	High	ROM (Thoraco-lumbar spine rotation L (cm))	1 mos	Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education): 2hr, 2x/week, 2 weeks; 2hr, 3x/week, 2 weeks	Control (Medication therapy)	Mean Difference	3.21 (2.29, 4.13)	**Rehabilitation program (Relaxation, Respiratory, Range of motion, Mobility exercises, Postural re-education, Balance, Gait, Dance, Speech therapy and facial expression exercises, Education)**
Yang, 2016	High	Balance (BBS)	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.8 (-5.42, 3.82)	NS
Yang, 2016	High	Balance (BBS)	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.2 (-5.19, 4.79)	NS
Yang, 2016	High	Gait assessment (DGI)	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	0.4 (-2.57, 3.37)	NS
Yang, 2016	High	Gait assessment (DGI)	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.1 (-3.86, 3.66)	NS
Yang, 2016	High	Mobility (TUG)	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	1.6 (-6.04, 9.24)	NS
Yang, 2016	High	Mobility (TUG)	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	1.9 (-7.16, 10.96)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-7.1 (-20.79, 6.59)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-4.5 (-14.01, 5.01)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-1 (-12.25, 10.25)	NS
Landers, 2016	Moderate	Balance (BBS)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	3.4 (-2.33, 9.13)	NS
Landers, 2016	Moderate	Balance (BBS)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.5 (-4.24, 5.24)	NS
Landers, 2016	Moderate	Balance (BBS)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.2 (-5.85, 5.45)	NS
Landers, 2016	Moderate	Gait velocity ( )	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.08 (-0.23, 0.39)	NS
Landers, 2016	Moderate	Gait velocity ( )	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.13 (-0.42, 0.16)	NS
Landers, 2016	Moderate	Gait velocity ( )	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.09 (-0.41, 0.23)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2016	Moderate	Gait assessment (DGI)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.7 (-4.03, 2.63)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.6 (-3.94, 2.74)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-2 (-6.23, 2.23)	NS
Landers, 2016	Moderate	Balance (ABC)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-4.9 (-21.19, 11.39)	NS
Landers, 2016	Moderate	Balance (ABC)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	2.5 (-14.26, 19.26)	NS
Landers, 2016	Moderate	Balance (ABC)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-4.8 (-22.82, 13.22)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-3 (-49.29, 43.29)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	4 (-35.77, 43.77)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	4.1 (-37.14, 45.34)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) (ABC)	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	7.2 (-6.12, 20.52)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	2.3 (-7.16, 11.76)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	5.6 (-5.15, 16.35)	NS
Landers, 2016	Moderate	Balance (BBS)	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	3.5 (-2.20, 9.20)	NS
Landers, 2016	Moderate	Balance (BBS)	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	1.6 (-4.21, 7.41)	NS
Landers, 2016	Moderate	Balance (BBS)	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-1.2 (-7.30, 4.90)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.13 (-0.12, 0.38)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.03 (-0.22, 0.28)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.04 (-0.27, 0.35)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2016	Moderate	Gait assessment (DGI)	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0 (-2.56, 2.56)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.2 (-2.63, 2.23)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-1.9 (-5.13, 1.33)	NS
Landers, 2016	Moderate	Balance (ABC)	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	9.7 (-0.73, 20.13)	NS
Landers, 2016	Moderate	Balance (ABC)	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	7.4 (-5.85, 20.65)	NS
Landers, 2016	Moderate	Balance (ABC)	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	12.7 (1.09, 24.31)	**Balance training + Internal focus instructions**
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-22.2 (-58.36, 13.96)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-9.6 (-39.88, 20.68)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-3.6 (-43.39, 36.19)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	4 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	3 (-9.46, 15.46)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	6 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.8 (-10.40, 8.80)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	12 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-1.8 (-13.16, 9.56)	NS
Landers, 2016	Moderate	Balance (BBS)	4 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	2.8 (-3.12, 8.72)	NS
Landers, 2016	Moderate	Balance (BBS)	6 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	3.1 (-1.15, 7.35)	NS
Landers, 2016	Moderate	Balance (BBS)	12 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.8 (-4.51, 6.11)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	4 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.17 (-0.16, 0.50)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	6 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.03 (-0.29, 0.35)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	12 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0.05 (-0.28, 0.38)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2016	Moderate	Gait assessment (DGI)	4 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-1.3 (-4.19, 1.59)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	6 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-0.3 (-2.75, 2.15)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	12 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	0 (-3.14, 3.14)	NS
Landers, 2016	Moderate	Balance (ABC)	4 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	6 (-5.85, 17.85)	NS
Landers, 2016	Moderate	Balance (ABC)	6 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	7.8 (-6.79, 22.39)	NS
Landers, 2016	Moderate	Balance (ABC)	12 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	8.8 (-5.26, 22.86)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	4 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-1.9 (-46.49, 42.69)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	6 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	-3.8 (-33.17, 25.57)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	12 wks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Control (Usual care)	Mean Difference	2.5 (-35.90, 40.90)	NS
Wong-Yu, 2015	High	Balance (Mini BESTest)	.	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	2.9 (2.04, 3.76)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Balance (Mini BESTest)	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	2.2 (1.33, 3.07)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Balance (Functional Reach Test)	.	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	2.9 (1.26, 4.54)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Balance (Functional Reach Test)	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	2.4 (0.59, 4.21)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Mobility (5T Sit-to-Stand)	.	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	-1.9 (-2.83, -0.97)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Mobility (5T Sit-to-Stand)	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	-1.7 (-2.68, -0.72)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Stance duration (One leg stance (sec))	.	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	4.1 (0.93, 7.27)	**Balance training (indoor/Outdoor)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wong-Yu, 2015	High	Stance duration (One leg stance (sec))	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	3.9 (-0.13, 7.93)	NS
Wong-Yu, 2015	High	Mobility (TUG)	.	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	-0.6 (-1.22, 0.02)	NS
Wong-Yu, 2015	High	Mobility (TUG)	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	-0.9 (-1.65, -0.15)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Mobility (Dual Task-TUG (sec))	.	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	-3.1 (-5.22, -0.98)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Mobility (Dual Task-TUG (sec))	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	-2.2 (-4.32, -0.08)	**Balance training (indoor/Outdoor)**
Wong-Yu, 2015	High	Falls (Fallers)	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	RR	0.84(0.33,2.17)	NS
Wong-Yu, 2015	High	Falls (Total fall rate (per person per year))	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	0 (-0.54, 0.54)	NS
Wong-Yu, 2015	High	Falls (Fall rate)	6 mos	Balance training (indoor/Outdoor): 2hrs/week, 8 weeks (4 wks indoor, 4 wks outdoor)	Active Control (Upper limb training): 2hrs/week, 8 weeks	Mean Difference	-0.2 (-0.50, 0.10)	NS
Rios Romenets, 2015	High	Balance (Mini BESTest)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Turning (Walk with pivot turns)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Mobility (TUG)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Mobility (Dual Task-TUG (sec))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Mobility (Dual Task-TUG (sec))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	FOG ( )	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rios Romenets, 2015	High	Hand/UE dexterity (Purdue Pegboard Test (Left))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Hand/UE dexterity (Purdue Pegboard Test (Right))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Hand/UE dexterity (Purdue Pegboard Test (Both hands))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Falls (Falls (number))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	RD	.(.,.)	NS
Conradsson, 2015	High	Balance (Mini BESTest)	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	2.9 (1.51, 4.29)	**HiBalance training program**
Conradsson, 2015	High	Gait velocity (Normal gait velocity)	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0.11 (0.03, 0.19)	**HiBalance training program**
Conradsson, 2015	High	Step (Normal step length (m))	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0.05 (-3.65, 3.75)	NS
Conradsson, 2015	High	Step (Normal cadence (steps/min))	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	2 (-0.77, 4.77)	NS
Conradsson, 2015	High	Gait velocity ( )	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0.11 (-0.00, 0.22)	NS
Conradsson, 2015	High	Step (Dual task: Step length)	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0.05 (-4.21, 4.31)	NS
Conradsson, 2015	High	Step (Dual task cadence (steps/min))	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	4 (-4.32, 12.32)	NS
Conradsson, 2015	High	Fall Fear/Risk (FES-I)	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	0.8 (-2.53, 4.13)	NS
Conradsson, 2015	High	UPDRS II ( )	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	-0.9 (-2.33, 0.53)	NS
Conradsson, 2015	High	Task error (Cognitive Dual Task (% error))	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Author Reported - MW U test, p = 0.006	N/A	**HiBalance training favored over Control**
Conradsson, 2015	High	Task error (Cognitive Single Task (% error))	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Author Reported - MW U test, p = 0.634	N/A	NS
Conradsson, 2015	High	Walk test (Modified Figure of Eight- Time (sec))	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Author Reported - MW U test, p = 0.506	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Conradsson, 2015	High	Walk test (Modified Figure of Eight-Oversteps)	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Author Reported - MW U test, p = 0.393	N/A	NS
Canning, 2015	High	Falls (Falls rate)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-2.9 (-11.01, 5.21)	NS
Canning, 2015	High	Falls (Fallers)	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	RR	0.93(0.78,1.12)	NS
Canning, 2015	High	Falls (Falls rate (Lower disease severity subgroup))	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-5.8 (-13.37, 1.77)	NS
Canning, 2015	High	Falls (Fallers (Lower disease severity subgroup))	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	RR	0.69(0.52,0.90)	**Exercise group (PD-WEBB program; progressive balance and lower limb strengthening)**
Canning, 2015	High	Falls (Falls rate (Higher disease severity subgroup))	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.5 (-9.19, 10.19)	NS
Canning, 2015	High	Falls (Fallers (Higher disease severity subgroup))	6 mos	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	RR	1.00(0.83,1.20)	NS
Canning, 2015	High	Fall Fear/Risk (PD Fall Risk Score)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-0.04 (-0.12, 0.04)	NS
Canning, 2015	High	Strength/Power (Knee extensor strength (N))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.2 (-2.44, 2.84)	NS
Canning, 2015	High	Stability (Coordinated stability test (error score))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-0.8 (-4.90, 3.30)	NS
Canning, 2015	High	Physical performance (SPPB)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.05 (-0.05, 0.15)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Canning, 2015	High	Walk test (4m fast walk speed (m/s))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.06 (-0.06, 0.18)	NS
Canning, 2015	High	Mobility (5T Sit-to-Stand (Stand/sec))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.01 (-0.04, 0.06)	NS
Canning, 2015	High	FOG ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-1.4 (-2.91, 0.11)	NS
Canning, 2015	High	Fall Fear/Risk (FES-I)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-3.3 (-5.98, -0.62)	**Exercise group (PD-WEBB program; progressive balance and lower limb strengthening)**
Canning, 2015	High	ADL (ADL (hr/day))	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0 (-0.34, 0.34)	NS
Volpe, 2014	High	UPDRS II ( )	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.05	N/A	NS
Volpe, 2014	High	UPDRS II ( )	2 mos	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.659	N/A	NS
Volpe, 2014	High	Balance (BBS)	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.026	N/A	**Equitasi group favored over Control**
Volpe, 2014	High	Balance (BBS)	2 mos	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.745	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2014	High	Mobility (TUG)	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.752	N/A	NS
Volpe, 2014	High	Mobility (TUG)	2 mos	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.516	N/A	NS
Volpe, 2014	High	Balance (ABC)	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.004	N/A	**Equitasi group favored over Control**
Volpe, 2014	High	Balance (ABC)	2 mos	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.516	N/A	NS
Volpe, 2014	High	Fall Fear/Risk (FES)	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.026	N/A	**Equitasi group favored over Control**
Volpe, 2014	High	Fall Fear/Risk (FES)	2 mos	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.745	N/A	NS
Volpe, 2014	High	Falls (Falls rate)	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.03	N/A	**Equitasi group favored over Control**
Van den Heuvel, 2014	High	Balance (Functional Reach Test)	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Mean Difference	0.23 (-3.59, 4.05)	NS
Van den Heuvel, 2014	High	Balance (Functional Reach Test)	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Mean Difference	2.35 (-2.02, 6.72)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van den Heuvel, 2014	High	Balance (BBS)	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.108	N/A	NS
Van den Heuvel, 2014	High	Balance (BBS)	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.864	N/A	NS
Van den Heuvel, 2014	High	Stance duration (Single leg (Preferred) (sec))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.198	N/A	NS
Van den Heuvel, 2014	High	Stance duration (Single leg (Preferred) (sec))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.384	N/A	NS
Van den Heuvel, 2014	High	Stance duration (Single leg (Non-preferred) (sec))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.08	N/A	NS
Van den Heuvel, 2014	High	Stance duration (Single leg (Non-preferred) (sec))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.599	N/A	NS
Van den Heuvel, 2014	High	Walk test (10MWT (m/s))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Mean Difference	0.144 (-0.05, 0.34)	NS
Van den Heuvel, 2014	High	Walk test (10MWT (m/s))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Mean Difference	-0.01 (-0.16, 0.14)	NS
Van den Heuvel, 2014	High	Walk test (10MWT (Step length))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Mean Difference	0.047 (-0.02, 0.11)	NS
Van den Heuvel, 2014	High	Walk test (10MWT (Step length))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Mean Difference	-0.024 (-0.10, 0.05)	NS
Van den Heuvel, 2014	High	Fall Fear/Risk (FES)	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.42	N/A	NS
Van den Heuvel, 2014	High	Fall Fear/Risk (FES)	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.054	N/A	NS
Shen, 2014	Moderate	Balance (ABC)	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Balance (ABC)	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Balance (ABC)	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Balance (Movement velocity (degree/s))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Balance (Movement velocity (degree/s))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Balance (Movement velocity (degree/s))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stability (Endpoint excursion (% LOS))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stability (Endpoint excursion (% LOS))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stability (Endpoint excursion (% LOS))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Gait velocity ( )	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Gait velocity ( )	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Gait velocity ( )	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Stride (Stride length)	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stride (Stride length)	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stride (Stride length)	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (No loss of balance events))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	RD	.(.,.)	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (No loss of balance events))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	RD	.(.,.)	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (No loss of balance events))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	RD	.(.,.)	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (Time to loss of balance))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (Time to loss of balance))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (Time to loss of balance))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Volpe, 2013	High	Balance (BBS)	.	Irish Dancing: 90min + 1hr home video, 1x/week, 6 months	Standard physiotherapy exercises: 90min + 1hr home video, 1x/week, 6 months	Mean Difference	7.16 (0.35, 13.97)	**Irish Dancing**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2013	High	FOG ( )	.	Irish Dancing: 90min + 1hr home video, 1x/week, 6 months	Standard physiotherapy exercises: 90min + 1hr home video, 1x/week, 6 months	Mean Difference	-5.24 (-8.03, -2.45)	**Irish Dancing**
Volpe, 2013	High	Mobility (TUG)	.	Irish Dancing: 90min + 1hr home video, 1x/week, 6 months	Standard physiotherapy exercises: 90min + 1hr home video, 1x/week, 6 months	Mean Difference	0 (0.00, 0.00)	NS
Schenkman, 2012	Moderate	Physical performance (Continuous Scale-Physical Functional Performance)	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	4.3 (3.32, 5.28)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Physical performance (Continuous Scale-Physical Functional Performance)	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.8 (-1.89, 0.29)	NS
Schenkman, 2012	Moderate	Physical performance (Continuous Scale-Physical Functional Performance)	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	3.3 (2.18, 4.42)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.3 (-0.53, -0.07)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.4 (-0.63, -0.17)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.2 (-0.03, 0.43)	NS
Schenkman, 2012	Moderate	UPDRS II ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.5 (-1.83, -1.17)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.8 (-1.17, -0.43)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.9 (-2.27, -1.53)	**Flexibility/Balance/Function exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Goodwin, 2011	High	Fall Fear/Risk (FES-I)	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.09(-0.18,0.01)	**Exercise program group favored over Control**
Goodwin, 2011	High	Fall Fear/Risk (FES-I)	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.05(-0.14,0.04)	NS
Goodwin, 2011	High	Balance (BBS)	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.34(-0.54,-0.14)	**Exercise program group favored over Control**
Goodwin, 2011	High	Balance (BBS)	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.43(-0.63,-0.24)	**Exercise program group favored over Control**
Goodwin, 2011	High	Mobility (TUG)	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.00(0.00,0.00)	NS
Goodwin, 2011	High	Mobility (TUG)	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.01(-0.01,0.01)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Single secondary task-Eyes open) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-27.7 (-202.35, 146.95)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Single secondary task-Eyes open) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-38.4 (-184.92, 108.12)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-1) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-24.3 (-159.99, 111.39)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-1) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	37.9 (-263.19, 338.99)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-2) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	88.3 (-97.60, 274.20)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-2) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	50 (-259.15, 359.15)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-3) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-81 (-213.16, 51.16)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-3) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-54.2 (-237.98, 129.58)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-4) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-74.9 (-241.07, 91.27)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-4) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	76.7 (-222.12, 375.52)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-1.5 (-3.62, 0.62)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-1.8 (-4.14, 0.54)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-4 (-6.69, -1.31)	**Control (No training)**
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-1.4 (-4.67, 1.87)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.1 (-8.66, 10.86)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	2.9 (-7.09, 12.89)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	3.3 (-9.85, 16.45)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	4.4 (-8.26, 17.06)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	12.4 (-4.92, 29.72)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	10.3 (-9.36, 29.96)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	13.7 (-2.92, 30.32)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	9.6 (-9.94, 29.14)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Preference (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.03 (-0.07, 0.13)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Preference (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.03 (-0.07, 0.13)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Preference (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.07 (-0.02, 0.16)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Preference (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.07 (-0.01, 0.15)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.1 (-1.59, 3.79)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.5 (-1.33, 4.33)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.5 (-1.05, 4.05)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.2 (-2.63, 3.03)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.5 (-3.05, 2.05)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.3 (-3.13, 2.53)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-2.2 (-5.17, 0.77)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-1.1 (-3.79, 1.59)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.6 (-1.09, 4.29)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.4 (-2.92, 3.72)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.4 (-1.57, 4.37)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.7 (-2.98, 4.38)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.3 (-8.10, 10.70)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	3.6 (-5.89, 13.09)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	3.4 (-8.90, 15.70)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	3.5 (-8.25, 15.25)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	11.2 (-4.85, 27.25)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	10 (-7.96, 27.96)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	12.9 (-2.23, 28.03)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	8.5 (-8.19, 25.19)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	12.2 (-2.22, 26.62)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	4.4 (-12.29, 21.09)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	16.9 (0.42, 33.38)	**Virtual Reality Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	11.7 (-4.28, 27.68)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Single secondary task-Eyes open) (ms))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-101.9 (-260.28, 56.48)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Single secondary task-Eyes open) (ms))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-79.7 (-196.53, 37.13)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-1) (ms))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-109.8 (-245.49, 25.89)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-1) (ms))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	3.1 (-298.06, 304.26)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-2) (ms))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-82.5 (-268.40, 103.40)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-2) (ms))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-87.4 (-396.55, 221.75)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-3) (ms))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-110.3 (-242.53, 21.93)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-3) (ms))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-143.2 (-327.05, 40.65)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-4) (ms))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-87.8 (-253.97, 78.37)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-4) (ms))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-146.9 (-445.72, 151.92)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.2 (-1.99, 2.39)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.4 (-2.68, 1.88)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.5 (-3.19, 2.19)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.1 (-3.74, 3.94)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	10.7 (0.94, 20.46)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	8.8 (-0.19, 17.79)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	13.2 (0.12, 26.28)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	8.8 (-3.58, 21.18)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	25.1 (7.71, 42.49)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	15.7 (-3.96, 35.36)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	20.5 (3.88, 37.12)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	14 (-4.60, 32.60)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.06 (-0.15, 0.03)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.03 (-0.13, 0.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Preference (Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.06 (-0.15, 0.03)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Preference (Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	-0.01 (-0.09, 0.07)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.7 (-0.99, 4.39)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.1 (-1.73, 3.93)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	2 (-0.55, 4.55)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.2 (-1.56, 3.96)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.9 (-0.65, 4.45)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	0.9 (-1.93, 3.73)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.3 (-1.67, 4.27)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.2 (-1.49, 3.89)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	4.1 (1.34, 6.86)	**Conventional Balance training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	2.4 (-0.85, 5.65)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.4 (-1.57, 4.37)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	1.4 (-2.21, 5.01)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	10.9 (1.50, 20.30)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	8.74 (0.14, 17.34)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	11.6 (-0.70, 23.90)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	8 (-3.61, 19.61)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	23.2 (7.15, 39.25)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	14.5 (-3.39, 32.39)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	18.4 (3.34, 33.46)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	12.2 (-4.49, 28.89)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	12.9 (-1.52, 27.32)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	9 (-7.69, 25.69)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	.	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	9.7 (-6.85, 26.25)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	4 wks	Conventional Balance training: 30min, 2x/week, 6 weeks	Control (No training)	Mean Difference	12 (-3.98, 27.98)	NS
Smania, 2010	Moderate	Balance (BBS)	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Balance (BBS)	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Balance (BBS)	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Balance (BBS)	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Transfers (Postural Transfers 1 (Lying to sitting))	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Transfers (Postural Transfers 1 (Lying to sitting))	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Transfers (Postural Transfers 2 (Sit to stand))	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Transfers (Postural Transfers 2 (Sit to stand))	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Balance (CFP-self destabilization)	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Smania, 2010	Moderate	Balance (CFP-self destabilization)	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Falls (Falls (number))	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Falls (Falls (number))	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Allen, 2010	High	Fall Fear/Risk (PD Fall Risk Score)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Strength/Power (Knee extensor (Affected leg) (N))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Strength/Power (Knee extensor (Non-affected leg) (N))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Strength/Power (Knee extensor strength (N))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Stability (Coordinated Stability (errors))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Amount of sway (Sway on floor (mm))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Amount of sway (Sway on foam (mm))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Balance (Maximum balance range in standing (mm))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Allen, 2010	High	Step (Alternate step test (sec))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	FOG (FOG (Yes/No))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	RD	.(.,.)	NS
Allen, 2010	High	FOG ( )	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Mobility (5T Sit-to-Stand)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Gait speed (Fast walking speed (m/s))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Gait speed (Comfortable gait speed (m/s))	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Physical performance (SPPB)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Allen, 2010	High	Fall Fear/Risk (FES-I)	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Yousefi, 2009	Moderate	ADL (Subscale of SPES/SCOPA))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	-1.6 (-2.54, -0.66)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Hackney, 2009	Moderate	UPDRS II ( )	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-8.1 (-16.49, 0.29)	NS
Hackney, 2009	Moderate	Balance (BBS)	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	5.1 (-0.34, 10.54)	NS
Hackney, 2009	Moderate	Mobility (TUG)	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-3.6 (-9.21, 2.01)	NS
Hackney, 2009	Moderate	Walk test (6MWT (m))	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	46.3 (-21.16, 113.76)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Hackney, 2009	Moderate	FOG ( )	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	1.7 (-3.74, 7.14)	NS
Hackney, 2009	Moderate	Gait velocity (Forward velocity)	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.04 (-0.18, 0.26)	NS
Hackney, 2009	Moderate	Stride (Forward stride length)	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.08 (-0.10, 0.26)	NS
Hackney, 2009	Moderate	Single support (Forward single support time (sec))	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.01 (-0.02, 0.04)	NS
Hackney, 2009	Moderate	Gait velocity (Backward velocity)	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-0.044 (-0.23, 0.14)	NS
Hackney, 2009	Moderate	Stride (Backward stride length)	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-0.038 (-0.22, 0.15)	NS
Hackney, 2009	Moderate	Single support (Backward single support time (sec))	.	Dance (Waltz/foxtrot): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.004 (-0.05, 0.06)	NS
Hackney, 2009	Moderate	Balance (BBS)	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	5 (-0.14, 10.14)	NS
Hackney, 2009	Moderate	Mobility (TUG)	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-4.4 (-9.73, 0.93)	NS
Hackney, 2009	Moderate	Gait velocity (Backward velocity)	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	62.7 (-5.23, 130.63)	NS
Hackney, 2009	Moderate	FOG ( )	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	1.6 (-3.92, 7.12)	NS
Hackney, 2009	Moderate	Gait velocity (Forward velocity)	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.1 (-0.12, 0.32)	NS
Hackney, 2009	Moderate	Stride (Forward stride length)	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.18 (-0.00, 0.36)	NS
Hackney, 2009	Moderate	Single support (Forward single support time (sec))	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.02 (-0.01, 0.05)	NS
Hackney, 2009	Moderate	Gait velocity (Backward velocity)	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-0.041 (-0.29, 0.21)	NS
Hackney, 2009	Moderate	Stride (Backward stride length)	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-0.003 (-0.25, 0.25)	NS
Hackney, 2009	Moderate	Single support (Backward single support time (sec))	.	Dance (Tango): 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.01 (-0.05, 0.07)	NS
Hackney, 2008	High	Balance (BBS)	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	3.8 (1.81, 5.79)	**Tai Chi**
Hackney, 2008	High	Mobility (TUG)	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-0.9 (-1.50, -0.30)	**Tai Chi**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Hackney, 2008	High	Stance duration (Tandem stance (sec))	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	19.9 (4.53, 35.27)	**Tai Chi**
Hackney, 2008	High	Stance duration (One leg stance (sec))	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.4 (-12.69, 13.49)	NS
Hackney, 2008	High	Gait assessment (Backward FAP (Functional Ambulation Profile))	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	5.7 (-0.62, 12.02)	NS
Hackney, 2008	High	Stride (Forward FAP)	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.13 (-17.50, 17.76)	NS
Hackney, 2008	High	Gait velocity (Backward velocity)	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	0.2 (-17.37, 17.77)	NS
Hackney, 2008	High	Gait assessment (Forward FAP (Functional Ambulation Profile))	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	3.1 (-3.37, 9.57)	NS
Hackney, 2008	High	Stride (Forward stride length)	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-0.1 (-13.00, 12.80)	NS
Hackney, 2008	High	Gait velocity (Forward velocity)	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	-0.09 (-12.83, 12.65)	NS
Hackney, 2008	High	Gait velocity (Forward velocity)	.	Tai Chi: 1hr, 2x/week, 13 weeks	Control (No intervention)	Mean Difference	43.6 (0.71, 86.49)	**Tai Chi**
Ebersbach, 2008	Moderate	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	.	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	1.3 (-0.54, 3.14)	NS
Ebersbach, 2008	Moderate	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	4 wks	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	1.1 (-1.22, 3.42)	NS
Ebersbach, 2008	Moderate	Amount of sway (Posturography (mm); Pivot length, lower sway=better performance)	.	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-950 (-1401.72, -498.28)	**Whole body vibration (Galileo device) + Standard therapy**
Ebersbach, 2008	Moderate	Amount of sway (Posturography (mm); Pivot length, lower sway=better performance)	4 wks	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-563 (-1180.45, 54.45)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2008	Moderate	Walk test (Time to walk 10m (sec))	.	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-1.4 (-4.02, 1.22)	NS
Ebersbach, 2008	Moderate	Walk test (Time to walk 10m (sec))	4 wks	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-2.3 (-5.26, 0.66)	NS
Ebersbach, 2008	Moderate	Mobility (Stand-walk-sit (sec))	.	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-1 (-2.80, 0.80)	NS
Ebersbach, 2008	Moderate	Mobility (Stand-walk-sit (sec))	4 wks	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-0.7 (-2.09, 0.69)	NS
Ebersbach, 2008	Moderate	Stability (Retropulsion Test)	.	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-0.15 (-0.66, 0.36)	NS
Ebersbach, 2008	Moderate	Stability (Retropulsion Test)	4 wks	Whole body vibration (Galileo device) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Control (Conventional balance training) + Standard therapy: Two 15min sessions/day, 5 days/week, 3 weeks	Mean Difference	-0.22 (-0.70, 0.26)	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Son, 2018	Moderate	Mobility (30S Chair Stand Test (reps))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	2.28 (0.26, 4.30)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Posture (Shoulder suppleness (cm))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	8.47 (2.06, 14.88)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Walk test (2.45m walk test (sec))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-2.28 (-3.17, -1.39)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Walk test (6MWT (m))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	60.22 (30.62, 89.82)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	ADL ( )	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	2.67 (2.48, 2.86)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Cabrera-Martos, 2020	High	Balance (Mini BESTest)	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Mini BESTest (Anticipatory))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Mini BESTest (Reactive postural control))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Mini BESTest (Sensory orientation))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Mini BESTest (Dynamic gait))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (ABC)	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- AP (cm) (Romberg test with eyes open))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- AP (cm) (Romberg test with eyes closed))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- AP (cm) (Romberg test with eyes open on foam))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- AP (cm) (Romberg test with eyes closed on foam))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- ML (cm) (Romberg test with eyes open))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- ML (cm) (Romberg test with eyes closed))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- ML (cm) (Romberg test with eyes open on foam))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Balance (Modified clinical test of sensory interaction on balance: mCTSIB- ML (cm) (Romberg test with eyes closed on foam))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Stability (LOS-Forward (cm))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Stability (LOS- Right (cm))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Stability (LOS-Backward (cm))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Cabrera-Martos, 2020	High	Stability (LOS- Left (cm))	8 wks	Core stability program: 45min, 3x/wk, 8 weeks	Control (Conventional program): 45min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	Balance (Mini BESTest)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	6.7 (5.34, 8.06)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (Mini BESTest)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	6.1 (4.75, 7.45)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (Mini BESTest)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	4.9 (3.62, 6.18)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (BBS)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	8.7 (6.56, 10.84)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (BBS)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	7.8 (5.74, 9.86)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (BBS)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	6 (3.87, 8.13)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Retropulsion Test)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.2 (-1.48, -0.92)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Retropulsion Test)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.1 (-1.46, -0.74)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Retropulsion Test)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.7 (-0.98, -0.42)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Push and Release Test (PRT))	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.2 (-1.42, -0.98)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Push and Release Test (PRT))	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1 (-1.22, -0.78)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Push and Release Test (PRT))	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.6 (-0.82, -0.38)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Fall Fear/Risk (FES-I)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-8.4 (-10.15, -6.65)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Fall Fear/Risk (FES-I)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-8.7 (-10.45, -6.95)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	Fall Fear/Risk (FES-I)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-8.7 (-10.97, -6.43)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-6.3 (-9.22, -3.38)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-7.8 (-10.78, -4.82)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-7.6 (-10.58, -4.62)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG- Dual Task (sec))	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-8.8 (-12.21, -5.39)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG- Dual Task (sec))	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-10.2 (-13.54, -6.86)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG- Dual Task (sec))	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-9.8 (-13.21, -6.39)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	FOG (NFOGQ)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.6 (-3.30, 0.10)	NS
Capato 2020	High	FOG (NFOGQ)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.8 (-3.58, -0.02)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	FOG (NFOGQ)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.1 (-2.80, 0.60)	NS
Capato 2020	High	Turning (Rapid Turns Test)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.2 (-0.34, -0.06)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Turning (Rapid Turns Test)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.1 (-0.24, 0.04)	NS
Capato 2020	High	Turning (Rapid Turns Test)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	0 (-0.10, 0.10)	NS
Capato 2020	High	UPDRS II ( )	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.9 (-2.54, -1.26)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	UPDRS II ( )	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.7 (-2.34, -1.06)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS II ( )	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.3 (-1.94, -0.66)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (Mini BESTest)	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	3.1 (1.68, 4.52)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Balance (Mini BESTest)	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	2 (0.59, 3.41)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Balance (Mini BESTest)	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	1.1 (-0.25, 2.45)	NS
Capato 2020	High	Balance (BBS)	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	3.4 (1.19, 5.61)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Balance (BBS)	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	2.5 (0.31, 4.69)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Balance (BBS)	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	1.8 (-0.39, 3.99)	NS
Capato 2020	High	Stability (Retropulsion Test)	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.9 (-1.18, -0.62)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Stability (Retropulsion Test)	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.5 (-0.92, -0.08)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Stability (Retropulsion Test)	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.3 (-0.58, -0.02)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Stability (Push and Release Test (PRT))	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.9 (-1.12, -0.68)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Stability (Push and Release Test (PRT))	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.4 (-0.62, -0.18)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Stability (Push and Release Test (PRT))	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.4 (-0.76, -0.04)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Fall Fear/Risk (FES-I)	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-4.8 (-6.55, -3.05)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Fall Fear/Risk (FES-I)	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-3.6 (-5.35, -1.85)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Fall Fear/Risk (FES-I)	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-5.1 (-7.29, -2.91)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Mobility (TUG)	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-6.8 (-9.91, -3.69)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Mobility (TUG)	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-5.8 (-8.85, -2.75)	**Regular Multimodal Balance Training (without RAS)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	Mobility (TUG)	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-6 (-9.11, -2.89)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Mobility (TUG- Dual Task (sec))	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-7.3 (-10.77, -3.83)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Mobility (TUG- Dual Task (sec))	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-6.6 (-10.07, -3.13)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Mobility (TUG- Dual Task (sec))	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-3.9 (-7.37, -0.43)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	FOG (NFOGQ)	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-2.1 (-3.87, -0.33)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	FOG (NFOGQ)	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-2 (-3.84, -0.16)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	FOG (NFOGQ)	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-2 (-3.77, -0.23)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	Turning (Rapid Turns Test)	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	0 (-0.14, 0.14)	NS
Capato 2020	High	Turning (Rapid Turns Test)	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.1 (-0.24, 0.04)	NS
Capato 2020	High	Turning (Rapid Turns Test)	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	0 (-0.14, 0.14)	NS
Capato 2020	High	UPDRS II ( )	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-1.2 (-1.84, -0.56)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	UPDRS II ( )	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.8 (-1.34, -0.26)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	UPDRS II ( )	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-0.6 (-1.24, 0.04)	NS
Zhu, 2020	High	Balance (BBS)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS II ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Hand/UE dexterity (Fine manual dexterity- Pins (dominant hand))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Hand/UE dexterity (Fine manual dexterity- Pins (clinically dominant hand))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Hand/UE dexterity (Fine manual dexterity- Pins (non-dominant hand))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kalyani, 2020	Low	Hand/UE dexterity (Fine manual dexterity- Pins (clinically non-dominant hand))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Hand/UE dexterity (Fine manual dexterity- Pins (both hands))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Hand/UE dexterity (Fine manual dexterity- Pins (sum R + L + both))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Hand/UE dexterity (Fine manual dexterity- Pins (assemblies))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Mobility (TUG)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Mobility (Dual Task-TUG (sec))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Tinetti Assessment Tool (TAT) (Tinetti (Gait))	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Tinetti Assessment Tool (TAT) ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Balance (BBS)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Balance (Mini BESTest)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Balance (ABC)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Gait assessment (Gait and Falls questionnaire)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	FOG ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Serrao, 2019	High	Gait speed (Speed (m/s))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Stance duration (Right stance duration (% cycle))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Serrao, 2019	High	Stance duration (Left stance duration (% cycle))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Double support (Right double support duration (% cycle))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Double support (Left double support duration (% cycle))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Gait assessment (Spatial asymmetry index)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Gait assessment (Temporal asymmetry index)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Step (Cadence)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Step (Right step length (m))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Step (Left step length (m))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Step (Step width)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Trunk flexion-extension ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Trunk bending ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Serrao, 2019	High	ROM (Trunk rotation ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Right hip rotation ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Left hip rotation ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Knee rotation ROM (°) (right))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Knee rotation ROM (°) (left))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Right ankle rotation (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Left ankle rotation (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Control (Conventional physiotherapy): 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	Balance (BBS)	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	Balance (BBS)	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	Mobility (5T Sit-to-Stand)	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	Mobility (5T Sit-to-Stand)	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	Mobility (TUG)	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	Mobility (TUG)	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	Tinetti Assessment Tool (TAT) ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Perez de la Cruz, 2017	High	Tinetti Assessment Tool (TAT) ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS II ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS II ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Balance (Sideward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Shen, 2015	Moderate	Falls (Fallers)	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Falls (Fallers)	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	RD	.(.,.)	NS
Shen, 2015	Moderate	Falls (Fallers)	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	RD	.(.,.)	NS
Shen, 2015	Moderate	Falls (Falls rate)	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Falls (Falls rate)	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Falls (Falls rate)	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stability (Latency of postural response to backward translation of center of mass (ms))	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stability (Latency of postural response to backward translation of center of mass (ms))	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stability (Latency of postural response to backward translation of center of mass (ms))	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stance duration (Single leg stand time (sec))	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Stance duration (Single leg stand time (sec))	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stance duration (Single leg stand time (sec))	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stride (Stride length)	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stride (Stride length)	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stride (Stride length)	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Gait velocity ( )	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Gait velocity ( )	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Gait velocity ( )	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	High	Stride (Stride length (level walking))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Stride (Stride length (level walking))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Gait assessment (FGA)	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Gait assessment (FGA)	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	.	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	1 mos	Traditional exercise (Strength/Balance training) and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Author Reported	N/A	NS
Lee, 2015	Moderate	Balance (BBS)	.	Virtual Reality Dance Exercise (Wii): 30min dance (with 30min neurodevelopment tx, 15 min functional electrical stimulation) 5x/wk, 6 weeks	Control: 30min neurodevelopment tx, 15 min functional electrical stimulation, 5x/wk, 6 weeks	Author Reported	N/A	NS
Lee, 2015	Moderate	ADL (MBI (Modified Bathel Index))	.	Virtual Reality Dance Exercise (Wii): 30min dance (with 30min neurodevelopment tx, 15 min functional electrical stimulation) 5x/wk, 6 weeks	Control: 30min neurodevelopment tx, 15 min functional electrical stimulation, 5x/wk, 6 weeks	Author Reported	N/A	NS
Kurlan, 2015	Moderate	UPDRS II (UPDRS II (Finger tapping))	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS
Kurlan, 2015	Moderate	ADL (Schwab and England Scale)	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS
Bakhshayesh, 2017	Moderate	Balance (FAB)	.	Pilates program: 1hr, 3x/wk, 8 weeks	Control (Conventional physical therapy): 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bakhshayesh, 2017	Moderate	ROM (Trunk flexion (sec); Duration to maintain posture)	.	Pilates program: 1hr, 3x/wk, 8 weeks	Control (Conventional physical therapy): 8 weeks	Author Reported	N/A	NS
Bakhshayesh, 2017	Moderate	ROM (Trunk extension (sec); Duration to maintain posture)	.	Pilates program: 1hr, 3x/wk, 8 weeks	Control (Conventional physical therapy): 8 weeks	Author Reported	N/A	NS
Bakhshayesh, 2017	Moderate	ROM (Lateral trunk flexion (sec); Duration to maintain posture)	.	Pilates program: 1hr, 3x/wk, 8 weeks	Control (Conventional physical therapy): 8 weeks	Author Reported	N/A	NS
Bakhshayesh, 2017	Moderate	Step (Step-down test (repetition))	.	Pilates program: 1hr, 3x/wk, 8 weeks	Control (Conventional physical therapy): 8 weeks	Author Reported	N/A	NS
Bakhshayesh, 2017	Moderate	Mobility (30S Chair Stand Test (reps))	.	Pilates program: 1hr, 3x/wk, 8 weeks	Control (Conventional physical therapy): 8 weeks	Author Reported	N/A	NS
Daneshmandi, 2017	Moderate	Mobility (TUG)	.	Pilates program: 1hr, 3x/wk, 8 weeks	Control (Conventional physical therapy): 8 weeks	Author Reported	N/A	NS
Pandya, 2017	Moderate	Balance (BBS)	.	Pilates training: 1hr, 3x/wk, 7 weeks	Control (Conventional balance training): 1hr, 3x/wk, 7 weeks	Author Reported	N/A	NS
Pandya, 2017	Moderate	Balance (ABC)	.	Pilates training: 1hr, 3x/wk, 7 weeks	Control (Conventional balance training): 1hr, 3x/wk, 7 weeks	Author Reported	N/A	NS
Pandya, 2017	Moderate	Mobility (TUG)	.	Pilates training: 1hr, 3x/wk, 7 weeks	Control (Conventional balance training): 1hr, 3x/wk, 7 weeks	Author Reported	N/A	NS

Table 5857: PICO 3a- Balance vs. Control- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gasner, 2019	Moderate	LEDD ( )	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-13 (-210.21, 184.21)	NS
Gasner, 2019	Moderate	LEDD ( )	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	38 (-174.00, 250.00)	NS
Schmitz-Hubsch, 2006	Moderate	Medication (Pain medication)	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Medication (Pain medication)	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Medication (Sleep medication)	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Medication (Sleep medication)	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Capato 2020	High	LEDD ( )	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-44 (-61.00, -27.00)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	LEDD ( )	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-66 (-92.25, -39.75)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	LEDD ( )	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-106 (-166.41, -45.59)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	LEDD ( )	.	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-35 (-53.00, -17.00)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	LEDD ( )	1 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-55 (-81.91, -28.09)	**Regular Multimodal Balance Training (without RAS)**
Capato 2020	High	LEDD ( )	6 mos	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Control (General Education Program)	Mean Difference	-78 (-104.91, -51.09)	**Regular Multimodal Balance Training (without RAS)**

Table 5958: PICO 3a- Balance vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Anxiety (HADS (Anxiety))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.25 (-2.49, -0.01)	**Mindfulness Yoga**
Kwok, 2019	High	Anxiety (HADS (Anxiety))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.91 (-3.01, -0.81)	**Mindfulness Yoga**
Kwok, 2019	High	Depression (HADS (Depression))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.8 (-2.95, -0.65)	**Mindfulness Yoga**
Kwok, 2019	High	Depression (HADS (Depression))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-2.47 (-3.58, -1.36)	**Mindfulness Yoga**
Walter, 2019	High	Fatigue (PFS-16)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	-0.24 (-5.74, 5.26)	NS
Lee, 2018	High	UPDRS I ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-0.2 (-1.04, 0.64)	NS
Lee, 2018	High	Depression (BDI)	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-4.6 (-9.48, 0.28)	NS
Lee, 2018	High	UPDRS I ( )	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-0.2 (-1.04, 0.64)	NS
Lee, 2018	High	Depression (BDI)	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	-4.6 (-9.48, 0.28)	NS
Perez-de la Cruz, 2018	Moderate	Depression (GDS)	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.2 (-1.93, 1.53)	NS
Perez-de la Cruz, 2018	Moderate	Depression (GDS)	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-1.2 (-2.66, 0.26)	NS
Ribas, 2017	High	Fatigue (FSS (Fatigue Severity Scale))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	-1.19 (-2.02, -0.36)	**Exergaming (Nintendo with Wii Balance Board)**
Ribas, 2017	High	Fatigue (FSS (Fatigue Severity Scale))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	-0.18 (-1.24, 0.88)	NS
Cheung, 2018	High	Sleep (PD Sleep Scale)	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	5.9 (2.22, 9.58)	**Hatha yoga program**
Cheung, 2018	High	Cognition (MoCA)	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	0.6 (0.25, 0.95)	**Hatha yoga program**
Cheung, 2018	High	Depression (BDI)	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	0.3 (-0.71, 1.31)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT A)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	2.82 (-2.29, 7.93)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vergara-Diaz, 2018	Moderate	Cognition (TMT A)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	5.84 (-1.16, 12.84)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-21.39 (-63.97, 21.19)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	1.37 (-46.45, 49.19)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B:A ratio)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.61 (-1.51, 0.29)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B:A ratio)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.26 (-1.57, 1.05)	NS
Hewitt, 2018	Moderate	Cognition (ACE-R)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	Cognition (ACE-R)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Rios Romenets, 2015	High	Cognition (MoCA)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Cognition (MoCA)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Cognition (MoCA)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Cognition (MoCA)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Depression (BDI)	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Fatigue (FSS (Fatigue Severity Scale))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Apathy Scale ( )	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Van den Heuvel, 2014	High	Anxiety (HADS (Anxiety))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.275	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van den Heuvel, 2014	High	Anxiety (HADS (Anxiety))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.144	N/A	NS
Van den Heuvel, 2014	High	Depression (HADS (Depression))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.021	N/A	**Control favored over Exp group**
Van den Heuvel, 2014	High	Depression (HADS (Depression))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.067	N/A	NS
Van den Heuvel, 2014	High	Fatigue (MFI (General))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.723	N/A	NS
Van den Heuvel, 2014	High	Fatigue (MFI (General))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.425	N/A	NS
Van den Heuvel, 2014	High	Fatigue (MFI (Physical))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.888	N/A	NS
Van den Heuvel, 2014	High	Fatigue ( )	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.674	N/A	NS
Smania, 2010	Moderate	Depression (GDS)	.	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Smania, 2010	Moderate	Depression (GDS)	1 mos	Individual Balance Training: 50min, 3x/week, 7 weeks	Control (General physical exercises): 50min, 3x/week, 7 weeks	Author Reported	N/A	NS
Schmitz-Hubsch, 2006	Moderate	Intestinal dysfunction ( )	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Intestinal dysfunction ( )	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Sleep (Sleep disturbance)	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Sleep (Sleep disturbance)	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Sleep (Daytime sleepiness)	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Sleep (Daytime sleepiness)	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Reduced appetite ( )	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Reduced appetite ( )	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schmitz-Hubsch, 2006	Moderate	Nausea ( )	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Nausea ( )	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Dizziness ( )	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Dizziness ( )	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Son, 2018	Moderate	Depression (GDS)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-5.39 (-8.47, -2.31)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Anxiety (STAI (State))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-8.64 (-12.87, -4.41)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Anxiety (STAI (Trait))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-6.92 (-11.69, -2.15)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Anxiety (STAI (Total))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-15.51 (-24.14, -6.88)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Cognition (MoCA)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	4.42 (2.29, 6.55)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Sleep (PD Sleep Scale)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-4.01 (-6.48, -1.54)	**Control (Usual care)**
Zhu, 2020	High	Sleep (PD Sleep Scale)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Zhu, 2020	High	Depression (HAM-D)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Zhu, 2020	High	Anxiety (HAM-A)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Zhu, 2020	High	Cognition (MoCA)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Kalyani, 2020	Low	UPDRS I ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS I ( )	.	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS
Perez de la Cruz, 2017	High	UPDRS I ( )	1 mos	Aquatic Ai Chi: 45min, 2x/week, 10 weeks	Control (Dry land therapy): 45min, 2x/week, 10 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lee, 2015	Moderate	Depression (BDI)	.	Virtual Reality Dance Exercise (Wii): 30min dance (with 30min neurodevelopment tx, 15 min functional electrical stimulation) 5x/wk, 6 weeks	Control: 30min neurodevelopment tx, 15 min functional electrical stimulation, 5x/wk, 6 weeks	Author Reported	N/A	NS
Kurlan, 2015	Moderate	UPDRS I (UPDRS I (Depression))	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS
Kurlan, 2015	Moderate	Depression (GDS)	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS

Table 6059: PICO 3a- Balance vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schmitz-Hubsch, 2006	Moderate	Bladder control (Urinary dysfunction)	6 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS
Schmitz-Hubsch, 2006	Moderate	Bladder control (Urinary dysfunction)	12 mos	Qigong Treatment Group: 1hr, 1x/week, 16 weeks (2 courses of 8 wks with 8 wk pause in b/w)	Control (Usual care)	RD	.(.,.)	NS

Table 6160: PICO 3a- Balance vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Hardship))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-0.8 (-1.29, -0.31)	**Mindfulness Yoga**
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Hardship))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-0.77 (-1.32, -0.22)	**Mindfulness Yoga**
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Equanimity))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	0.8 (0.27, 1.33)	**Mindfulness Yoga**
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Equanimity))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	1.03 (0.52, 1.54)	**Mindfulness Yoga**
Kwok, 2019	High	PDQ-8 ( )	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-2.09 (-3.72, -0.46)	**Mindfulness Yoga**
Kwok, 2019	High	PDQ-8 ( )	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-2.74 (-4.46, -1.02)	**Mindfulness Yoga**
Gandolfi, 2019	High	PDQ-8 ( )	.	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	6.27 (0.27, 12.27)	**Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance)**
Gandolfi, 2019	High	PDQ-8 ( )	1 mos	Trunk specific rehabilitation program: 1hr, 5x/week, 4 weeks	Control (Joint mobilization, muscle strengthening/stretching, over ground gait training, balance): 1hr, 5x/week, 4 weeks	Mean Difference	2.02 (-4.96, 9.00)	NS
Walter, 2019	High	Activities Constraint Scale ( )	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	7.8 (1.13, 14.47)	**Hatha Yoga**
Walter, 2019	High	PDQ-8 ( )	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	-0.02 (-0.15, 0.11)	NS
Joseph, 2019	Moderate	SF-6D Utility Score ( )	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual care)	Author Reported	N/A	NS
Kunkel, 2017	High	PDQ-39 ( )	3 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	1.6 (-5.46, 8.66)	NS
Kunkel, 2017	High	PDQ-39 ( )	6 mos	Dance (6 types): 1 hr, 2/day, 10 weeks	Control (Usual care)	Mean Difference	2.7 (-4.57, 9.97)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Foster, 2013	Moderate	Participation in new activities ( )	12 mos	Community-based Dance (Tango): 1hr, 2x/week, 12 months	Control (No intervention)	Mean Difference	1.2 (-0.67, 3.07)	NS
Lee, 2018	High	PDQL (PDQL (Parkinson's symptoms))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	2.2 (-2.33, 6.73)	NS
Lee, 2018	High	PDQL (PDQL (Systemic symptoms))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	2.1 (-1.77, 5.97)	NS
Lee, 2018	High	PDQL (PDQL (Social functioning))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	4.89 (1.58, 8.20)	**Turo training program (hybrid qigong dance)**
Lee, 2018	High	PDQL (PDQL (Emotional functioning))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	2.8 (-1.92, 7.52)	NS
Lee, 2018	High	PDQL (PDQL Total)	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	12 (-1.66, 25.66)	NS
Lee, 2018	High	PDQL (PDQL (Parkinson's symptoms))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	2.2 (-2.33, 6.73)	NS
Lee, 2018	High	PDQL (PDQL (Systemic symptoms))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	2.1 (-1.77, 5.97)	NS
Lee, 2018	High	PDQL (PDQL (Social functioning))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	4.89 (1.58, 8.20)	**Turo training program (hybrid qigong dance)**
Lee, 2018	High	PDQL (PDQL (Emotional functioning))	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	2.8 (-1.92, 7.52)	NS
Lee, 2018	High	PDQL (PDQL Total)	8 wks	Turo training program (hybrid qigong dance): 1hr, 2x/week, 8 weeks	Wait-list Control	Mean Difference	12 (-1.66, 25.66)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.2 (-0.89, 0.49)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Mobility))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.2 (-0.89, 0.49)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.16 (-0.64, 0.32)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.16 (-0.64, 0.32)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.06 (-0.51, 0.39)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Cognition))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.03 (-0.48, 0.42)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.02 (-0.44, 0.40)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	0.03 (-0.39, 0.45)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	3.5 (0.20, 6.80)	**Control (Dry land therapy)**
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (ADL))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	3.6 (0.48, 6.72)	**Control (Dry land therapy)**
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.15 (-0.44, 0.14)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Stigma))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.18 (-0.47, 0.11)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	0.1 (-0.16, 0.36)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Social support))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.02 (-0.28, 0.24)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	-0.16 (-0.64, 0.32)	NS
Perez-de la Cruz, 2018	Moderate	PDQ-39 (PDQ-39 (Communication))	1 mos	Aquatic Ai Chi: 45min, 2x/week, 11 weeks	Control (Dry land therapy): 45min, 2x/week, 11 weeks	Mean Difference	0.03 (-0.39, 0.45)	NS
Kurt, 2018	High	PDQ-39 ( )	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	-3 (-10.32, 4.32)	NS
Shanahan, 2017	Moderate	PDQ-39 ( )	.	Dance classes (Irish set): 1.5hr dance class, 1x/week and 20min home dance program 3x/week, 10 weeks	Control (Usual care)	Author Reported - MW U test, p = 0.43	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Mobility))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	11.81 (-4.03, 27.65)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Mobility))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	14.16 (0.83, 27.49)	**Control (Conventional exercise)**
Ribas, 2017	High	PDQ-39 (PDQ-39 (ADL))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	6.3 (-4.40, 17.00)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (ADL))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	6.93 (-3.78, 17.64)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	8.61 (-10.33, 27.55)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	8.34 (-10.29, 26.97)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ribas, 2017	High	PDQ-39 (PDQ-39 (Stigma))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	-2.08 (-11.20, 7.04)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Stigma))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	5.08 (-12.93, 23.09)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	8.97 (-6.70, 24.64)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	11.45 (-3.00, 25.90)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Cognition))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	12.69 (-1.83, 27.21)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Cognition))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	17.04 (2.55, 31.53)	**Control (Conventional exercise)**
Ribas, 2017	High	PDQ-39 (PDQ-39 (Communication))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	-1.6 (-18.21, 15.01)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Communication))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	-2.43 (-22.83, 17.97)	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	21.68 (2.51, 40.85)	**Control (Conventional exercise)**
Ribas, 2017	High	PDQ-39 (PDQ-39 (Bodily discomfort))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Mean Difference	16.24 (-4.10, 36.58)	NS
Carpinella, 2017	High	PDQ-39 ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-14.6 (-30.16, 0.96)	NS
Carpinella, 2017	High	PDQ-39 ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-8.4 (-24.63, 7.83)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Social and role function))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	2.2 (-1.22, 5.62)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Self-image and sexuality))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-3.9 (-7.41, -0.39)	**Hatha yoga program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheung, 2018	High	PDQUALIF (PDQUALIF (Sleep))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	10.4 (7.59, 13.21)	**Control (Wait-list)**
Cheung, 2018	High	PDQUALIF (PDQUALIF (Outlook))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	10.6 (8.01, 13.19)	**Control (Wait-list)**
Cheung, 2018	High	PDQUALIF (PDQUALIF (Physical functioning))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-2.3 (-5.19, 0.59)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Independence))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	4.6 (0.08, 9.12)	**Control (Wait-list)**
Cheung, 2018	High	PDQUALIF (PDQUALIF (Urinary function))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	3.1 (-1.37, 7.57)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Global))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-1.3 (-6.96, 4.36)	NS
Vergara-Diaz, 2018	Moderate	PDQ-39 ( )	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-1.07 (-7.08, 4.94)	NS
Vergara-Diaz, 2018	Moderate	PDQ-39 ( )	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-1.69 (-9.45, 6.07)	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 PCS)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 PCS)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 MCS)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 MCS)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 Total)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	SF-36 (SF-36 Total)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Hewitt, 2018	Moderate	EQ-5D (EQ5D-5L)	6 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Hewitt, 2018	Moderate	EQ-5D (EQ5D-5L)	12 mos	Sunbeam Program (Progressive resistance training + Balance exercise): 1hr, 2x/week, 25 weeks; Maintenance program: 6 months	Control (Usual care)	Author Reported	N/A	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-6.7 (-12.65, -0.75)	**Power Yoga program**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-2.6 (-4.88, -0.32)	**Power Yoga program**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-1.8 (-4.22, 0.62)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-1.8 (-3.50, -0.10)	**Power Yoga program**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	0 (-1.13, 1.13)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-0.6 (-1.87, 0.67)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-0.9 (-2.53, 0.73)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-1.4 (-3.45, 0.65)	NS
Ni, 2016	Moderate	PDQ-39 ( )	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-16.7 (-29.56, -3.84)	**Power Yoga program**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-3.5 (-9.75, 2.75)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-1.9 (-3.82, 0.02)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-0.9 (-2.74, 0.94)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-0.5 (-1.78, 0.78)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-1.6 (-3.24, 0.04)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	-0.3 (-1.80, 1.20)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	0.4 (-1.09, 1.89)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Power Training (High-speed resistance training combined balance and agility drills): 2x/week, 12 weeks	Control (Health education classes): 1hr, 1x/month, 3 months	Mean Difference	0.4 (-2.04, 2.84)	NS
Yang, 2016	High	PDQ-39 ( )	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-2.6 (-16.77, 11.57)	NS
Yang, 2016	High	PDQ-39 ( )	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.6 (-13.81, 12.61)	NS
Rios Romenets, 2015	High	PDQ-39 ( )	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Satisfaction (Satisfaction (Finding classes enjoyable))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Rios Romenets, 2015	High	Satisfaction (Satisfaction (Feeling overall satisfaction))	.	Traditional Argentine Tango: 1hr, 2x/week, 12 weeks	Control (Self-directed exercise): Usual care; exercise pamphlet	Author Reported	N/A	NS
Canning, 2015	High	SF-12 (SF-12 PCS)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	1.1 (-1.11, 3.31)	NS
Canning, 2015	High	SF-12 (SF-12 MCS)	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.9 (-0.84, 2.64)	NS
Canning, 2015	High	SF-6D Utility score ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.02 (-0.01, 0.05)	NS
Canning, 2015	High	PDQ-39 ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	-2.8 (-6.87, 1.27)	NS
Canning, 2015	High	Positive affect scale ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	1.5 (-0.37, 3.37)	NS
Volpe, 2014	High	PDQ-39 ( )	.	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.004	N/A	**Equitasi group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2014	High	PDQ-39 ( )	2 mos	Balance training + Equitasi: Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Placebo (Inactive devices): Physiotherapy for 1hr, 5x/week, 2 months; wore device for 60, 120, 180min- 6x/week for weeks 1,2, 3 respectively; 4hr, 5x/week for remaining 5 weeks (8 week total)	Author Reported - MW U test, p = 0.737	N/A	NS
Van den Heuvel, 2014	High	PDQ-39 (PDQ-39 (Mobility))	6 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.444	N/A	NS
Van den Heuvel, 2014	High	PDQ-39 (PDQ-39 (Mobility))	12 wks	Visual Feedback Balance Training: 1hr, 2x/week, 5 weeks	Control (Conventional Balance Training): 1hr, 2x/week, 5 weeks	Author Reported - p = 0.156	N/A	NS
Volpe, 2013	High	PDQ-39 ( )	.	Irish Dancing: 90min + 1hr home video, 1x/week, 6 months	Standard physiotherapy exercises: 90min + 1hr home video, 1x/week, 6 months	Mean Difference	-5.45 (-12.66, 1.76)	NS
Schenkman, 2012	Moderate	PDQ-39 ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	2.1 (1.26, 2.94)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	PDQ-39 ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3.1 (-4.01, -2.19)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3.8 (-4.80, -2.80)	**Flexibility/Balance/Function exercise**
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Motivation to learn task)	1 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	0.9 (0.07, 1.73)	**Self-control group (Use of physical assistance device (balance pole) for balance task)**
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Motivation to learn task)	2 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	0.2 (-0.47, 0.87)	NS
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Enjoyment while practicing task)	1 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-0.1 (-1.21, 1.01)	NS
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Enjoyment while practicing task)	2 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-0.2 (-1.05, 0.65)	NS
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Nervousness before trial)	1 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-2.7 (-4.57, -0.83)	**Self-control group (Use of physical assistance device (balance pole) for balance task)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Nervousness before trial)	2 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-2 (-4.17, 0.17)	NS
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Nervousness while balancing on platform)	1 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-1 (-3.11, 1.11)	NS
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Nervousness while balancing on platform)	2 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-2.8 (-4.59, -1.01)	**Self-control group (Use of physical assistance device (balance pole) for balance task)**
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Concern about body position)	1 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-0.6 (-2.79, 1.59)	NS
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Concern about body position)	2 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-2.6 (-4.82, -0.38)	**Self-control group (Use of physical assistance device (balance pole) for balance task)**
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Concern about platform position)	1 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	0.4 (-1.90, 2.70)	NS
Chiviacowsky, 2012	Moderate	Satisfaction (Patient satisfaction: Concern about platform position)	2 days	Self-control group (Use of physical assistance device (balance pole) for balance task): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Yoked (Control) group (Trials with and without balance pole): Practice: 10 trials; Retention phase: 5 trials; All: 30sec/trial, 90sec breaks	Mean Difference	-1.5 (-3.76, 0.76)	NS
Goodwin, 2011	High	EQ-5D ( )	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-1.40(-3.63,3.48)	NS
Goodwin, 2011	High	EQ-5D ( )	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.55(-4.40,3.34)	NS
Allen, 2010	High	PDQ-39 ( )	.	Exercise Group (Progressive lower limb strengthening & Balance exercises) & Falls prevention booklet: 40-60min, 3x/week, 6 months	Control (Usual care): Falls prevention booklet	Author Reported - ANCOVA	N/A	NS
Yousefi, 2009	Moderate	PDQL (PDQL (Parkinson's symptoms))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	9.6 (2.30, 16.90)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL (Systemic symptoms))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	4.8 (1.83, 7.77)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yousefi, 2009	Moderate	PDQL (PDQL (Emotional functioning))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	-0.4 (-3.04, 2.24)	NS
Yousefi, 2009	Moderate	PDQL (PDQL (Social functioning))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	3.1 (0.50, 5.70)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL Total)	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	19.8 (4.40, 35.20)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Rawson, 2019	Moderate	PDQ-39 ( )	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Son, 2018	Moderate	PDQL (PDQL Total)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	14.36 (4.59, 24.13)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Sun, 2017	High	Satisfaction (Interest and pleasure)	3 days	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	3.5 (2.13, 4.87)	**Core stability exercise program (plus Home exercises)**
Sun, 2017	High	Satisfaction (Interest and pleasure)	2 mos	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	7 (5.60, 8.40)	**Core stability exercise program (plus Home exercises)**
Sun, 2017	High	Satisfaction (Perceived merit)	3 days	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	4.1 (1.96, 6.24)	**Core stability exercise program (plus Home exercises)**
Sun, 2017	High	Satisfaction (Perceived merit)	2 mos	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	7 (4.76, 9.24)	**Core stability exercise program (plus Home exercises)**
Sun, 2017	High	Satisfaction (Effort)	3 days	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	3.5 (1.53, 5.47)	**Core stability exercise program (plus Home exercises)**
Sun, 2017	High	Satisfaction (Effort)	2 mos	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	8.4 (6.69, 10.11)	**Core stability exercise program (plus Home exercises)**
Sun, 2017	High	Satisfaction (General motivation (IMI))	3 days	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	11.1 (8.26, 13.94)	**Core stability exercise program (plus Home exercises)**
Sun, 2017	High	Satisfaction (General motivation (IMI))	2 mos	Core stability exercise program (plus Home exercises): 1hr, 3x/week, 8 weeks	Home exercises: Over 2 months	Mean Difference	22.4 (19.80, 25.00)	**Core stability exercise program (plus Home exercises)**
Zhu, 2020	High	PDQ-39 ( )	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kurlan, 2015	Moderate	PDQ-39 ( )	.	Tai Chi: 1hr, 1x/wk, 16 weeks	Control (No Tai Chi)	Author Reported	N/A	NS

Table 6261: PICO 3a- Balance vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wallen, 2018	High	Daily steps ( )	10 wks	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	333 (-885.34, 1551.34)	NS
Wallen, 2018	High	Daily steps ( )	6 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	163 (-1141.75, 1467.75)	NS
Wallen, 2018	High	Daily steps ( )	12 mos	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	-42 (-1214.47, 1130.47)	NS
Cheung, 2018	High	LAPAQ ( )	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-3186 (-3868.22, -2503.78)	**Control (Wait-list)**
Conradsson, 2015	High	Daily steps ( )	.	HiBalance training program: 1hr, 3x/week, 10 weeks	Control (Usual Care)	Mean Difference	976 (-593.95, 2545.95)	NS
Canning, 2015	High	Exercise ( )	26 wks	Exercise group (PD-WEBB program; progressive balance and lower limb strengthening): 40-60min, 3x/week, 6 months	Control (Usual care)	Mean Difference	0.4 (-0.67, 1.47)	NS
Goodwin, 2011	High	Household physical activity ( )	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.25(-0.70,0.19)	NS
Goodwin, 2011	High	Household physical activity ( )	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	-0.25(-0.70,0.19)	NS
Goodwin, 2011	High	Recreational physical activity ( )	.	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.43(-0.05,0.90)	NS
Goodwin, 2011	High	Recreational physical activity ( )	10 wks	Strength and balance training program with supplementary home exercises: 1hr, 1x/week, 10 weeks; 2x/week home exercises	Control (Usual care)	Author Reported - ANCOVA	0.61(0.12,1.10)	**Exercise program group favored over Control**
Kalyani, 2020	Low	Recreational physical activity (Physical activity outside study: Walking)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Supervised physical activity ( )	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Recreational physical activity (Swimming, cycling, playing gold/tennis)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Exercise (Mobilization, stretching, strengthening)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS
Kalyani, 2020	Low	Habitual physical activity (Climbing stairs, shopping, gardening)	.	Dance (DfPD program): 1hr, 2x/wk, 3 months	Control (Usual care)	Author Reported	N/A	NS

Table 6362: PICO 3a- Balance vs. Control- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	VO2 ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0 (-0.19, 0.19)	NS
Schenkman, 2012	Moderate	VO2 ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.8 (0.61, 0.99)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	VO2 ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.3 (0.09, 0.51)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	VO2 ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.2 (0.11, 0.29)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	VO2 ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.2 (-0.29, -0.11)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	VO2 ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.1 (0.01, 0.19)	**Control (Home-based exercise)**

Figure 16: Meta-analysis- UPDRS III (1mos)

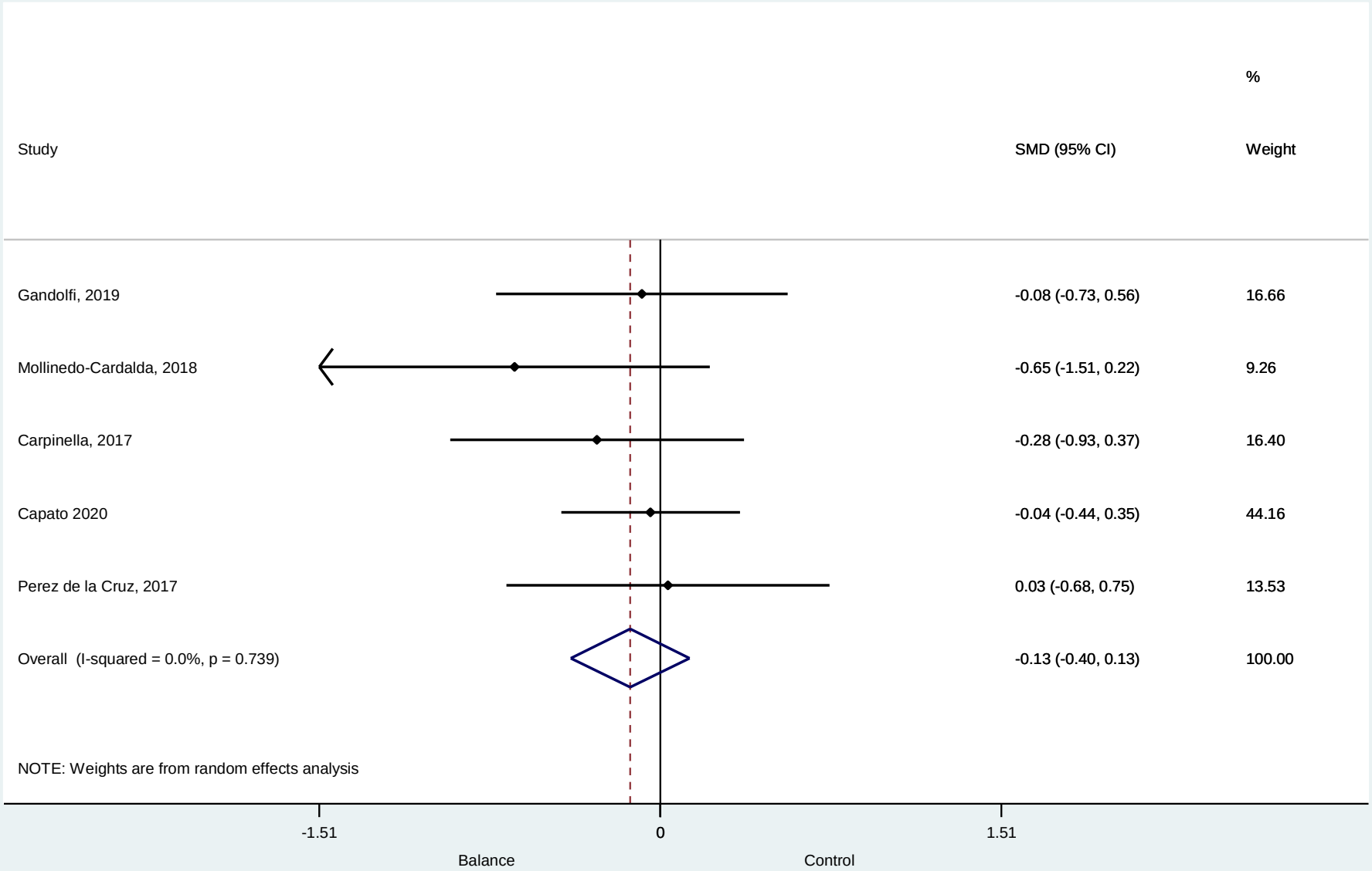


Figure 17: Meta-analysis- Gait Velocity (3mos)

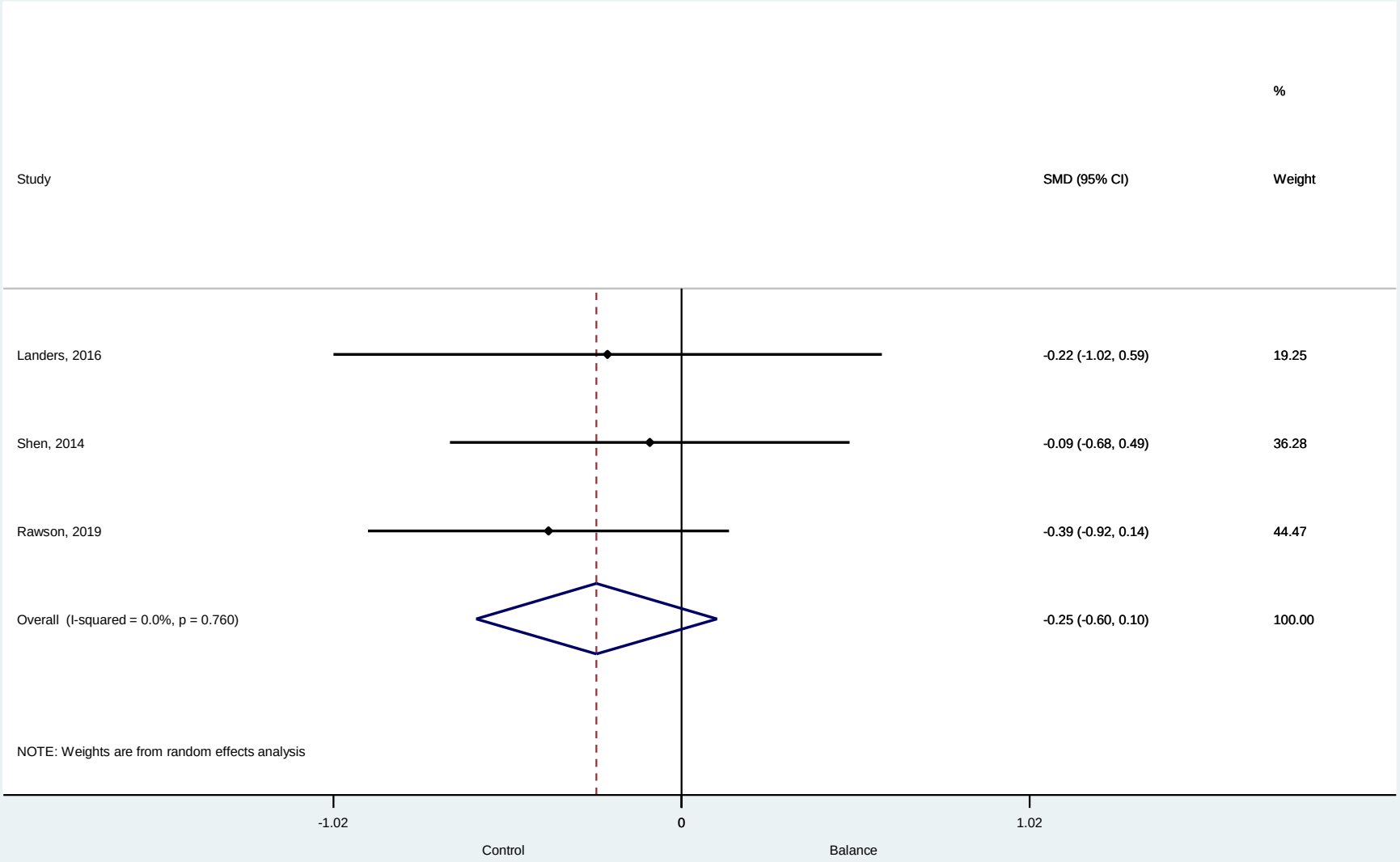


Figure 18: Meta-analysis- Stride Length (post)

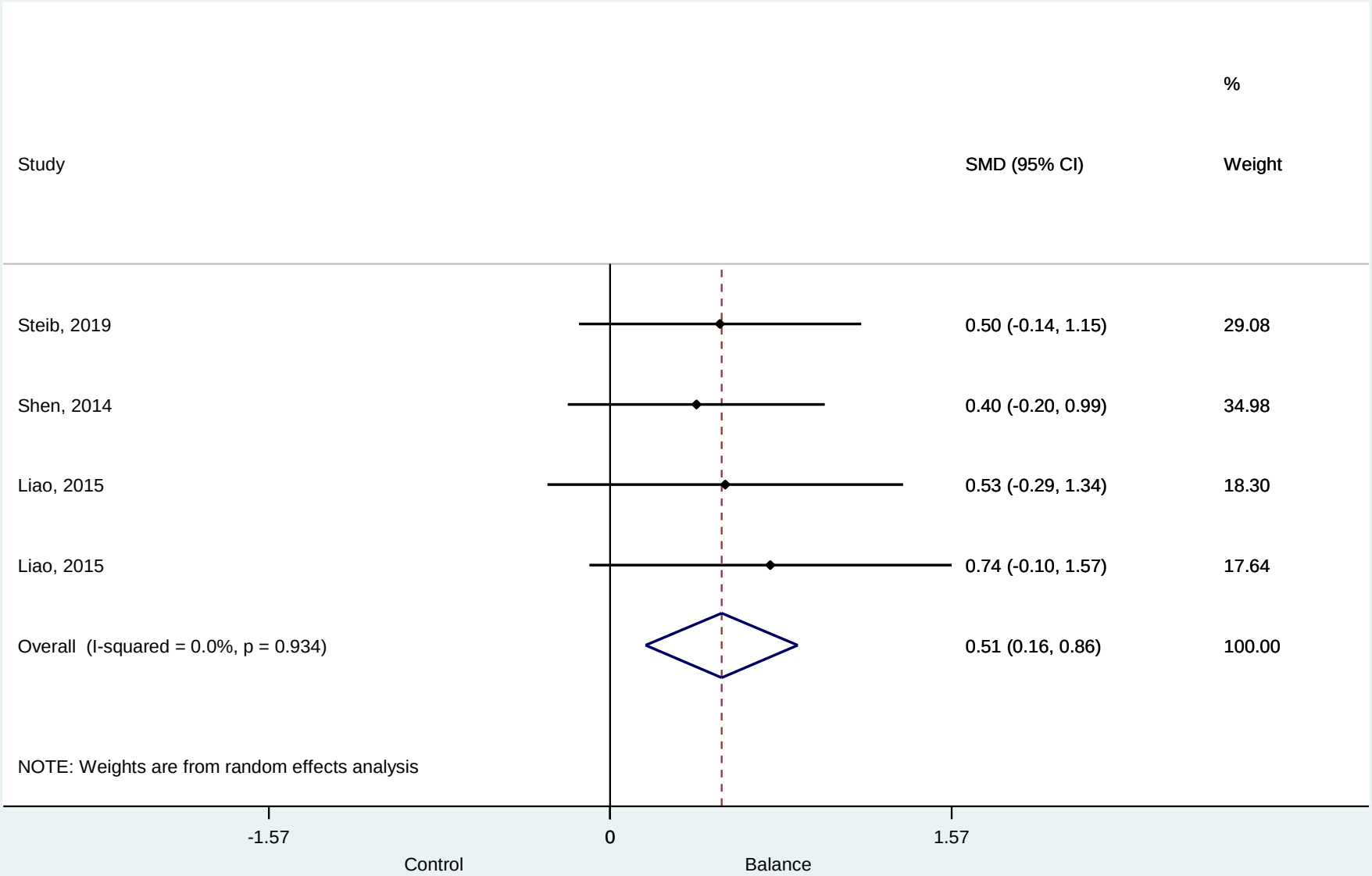


Figure 19: Meta-analysis- FOG (post)

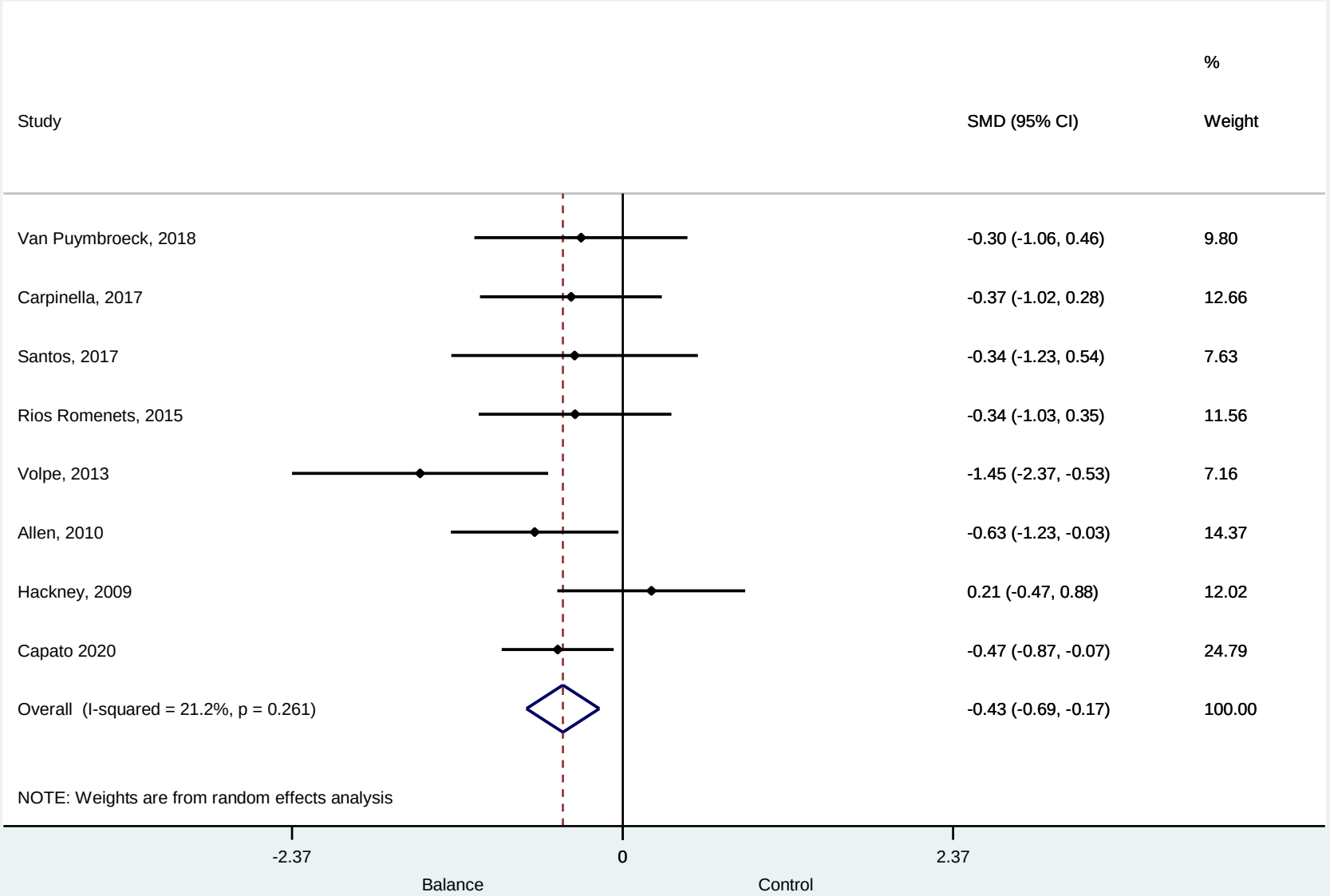

Study
SMD (95% CI)
%
Weight
Van Puymbroeck, 2018
-0.30 (-1.06, 0.46)
9.80
Carpinella, 2017
-0.37 (-1.02, 0.28)
12.66
Santos, 2017
-0.34 (-1.23, 0.54)
7.63
Rios Romenets, 2015
-0.34 (-1.03, 0.35)
11.56
Volpe, 2013
-1.45 (-2.37, -0.53)
7.16
Allen, 2010
-0.63 (-1.23, -0.03)
14.37
Hackney, 2009
0.21 (-0.47, 0.88)
12.02
Capato 2020
-0.47 (-0.87, -0.07)
24.79
Overall (I-squared = 21.2%, p = 0.261)
-0.43 (-0.69, -0.17)
100.00
NOTE: Weights are from random effects analysis
-2.37
0
2.37
Balance
Control

Figure 20: Meta-analysis- Gait assessment (post)

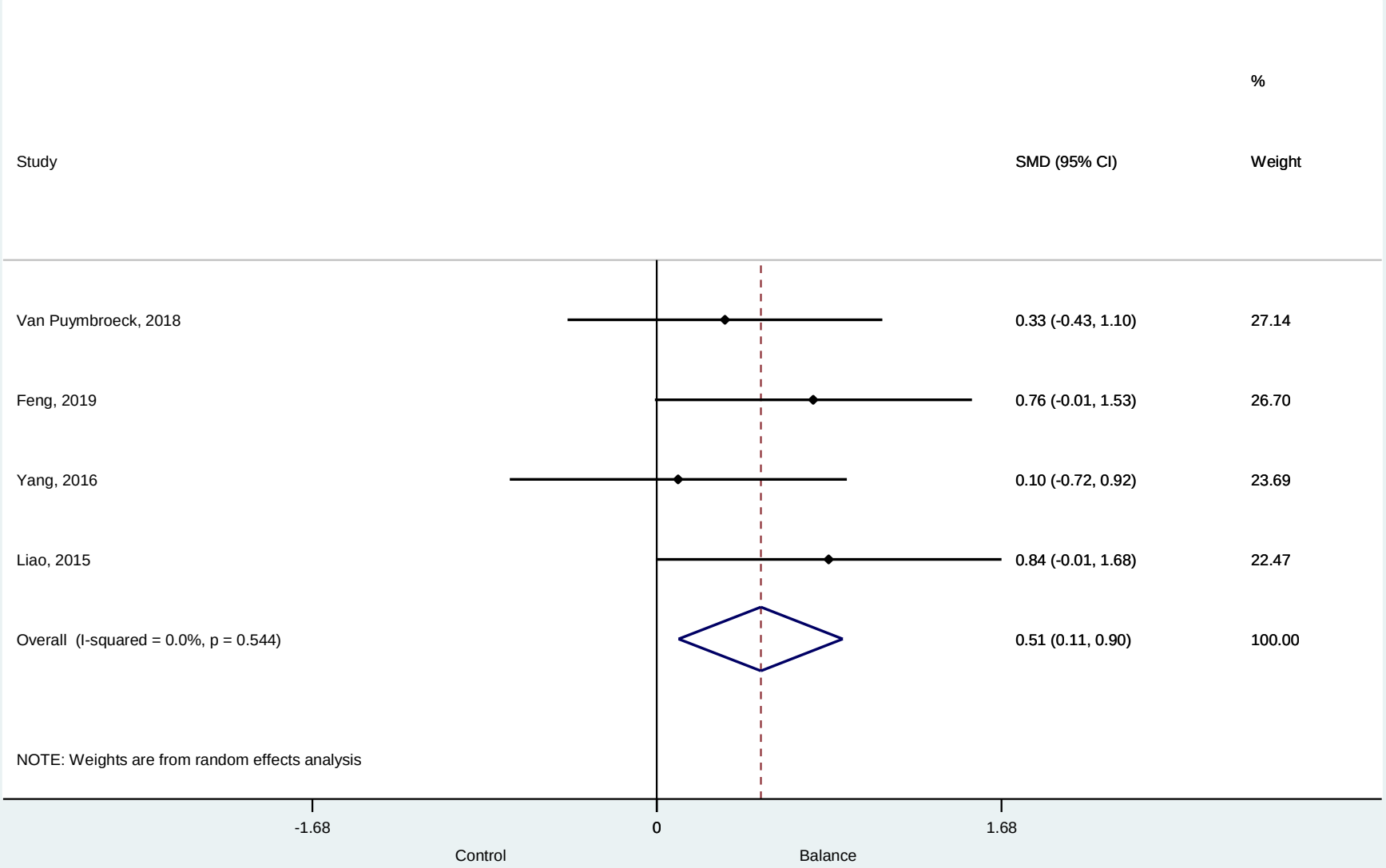


Figure 21: Meta-analysis- Fall Fear/Risk (post)

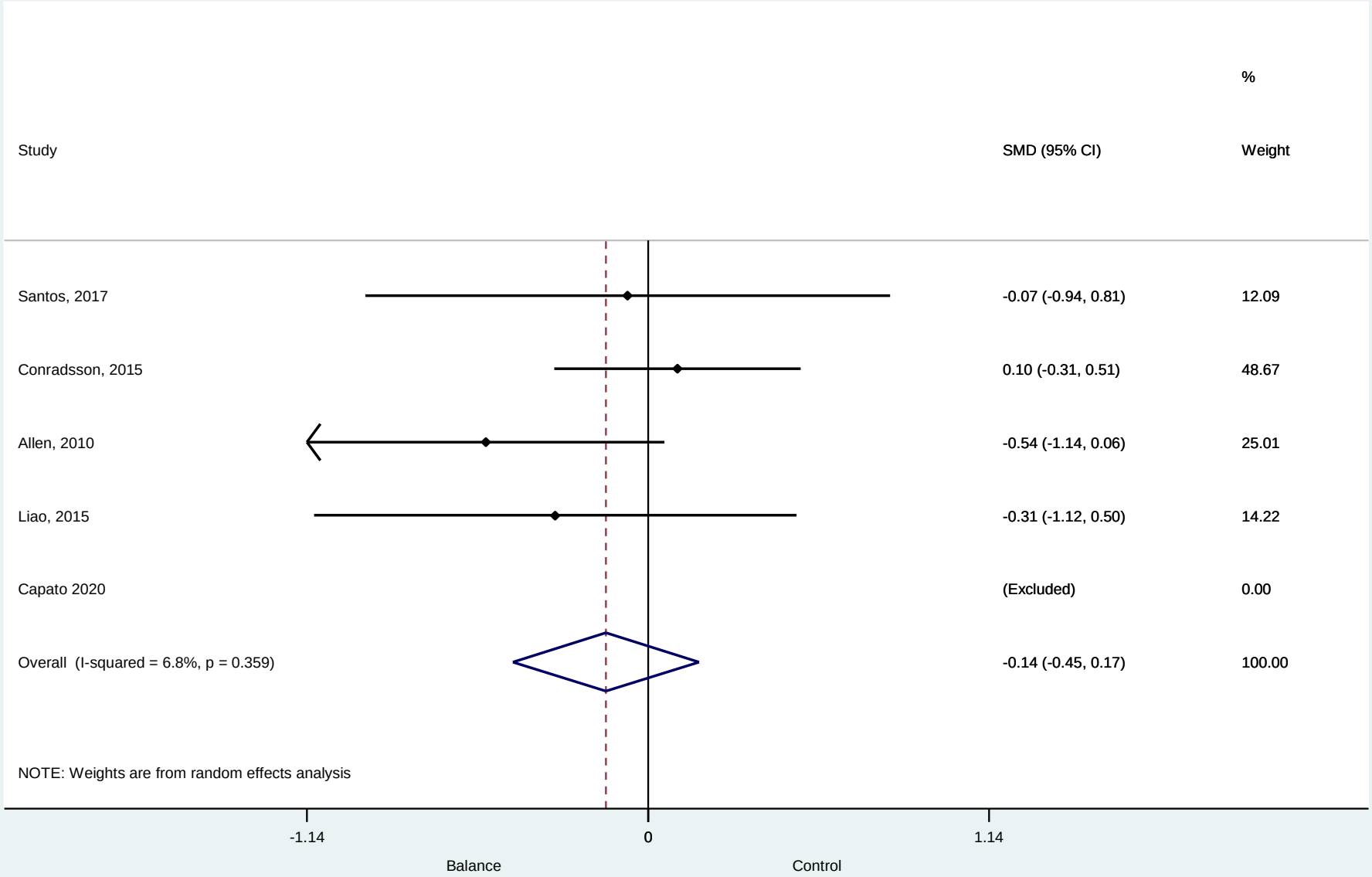


Figure 22: Meta-analysis- TUG (3mos)

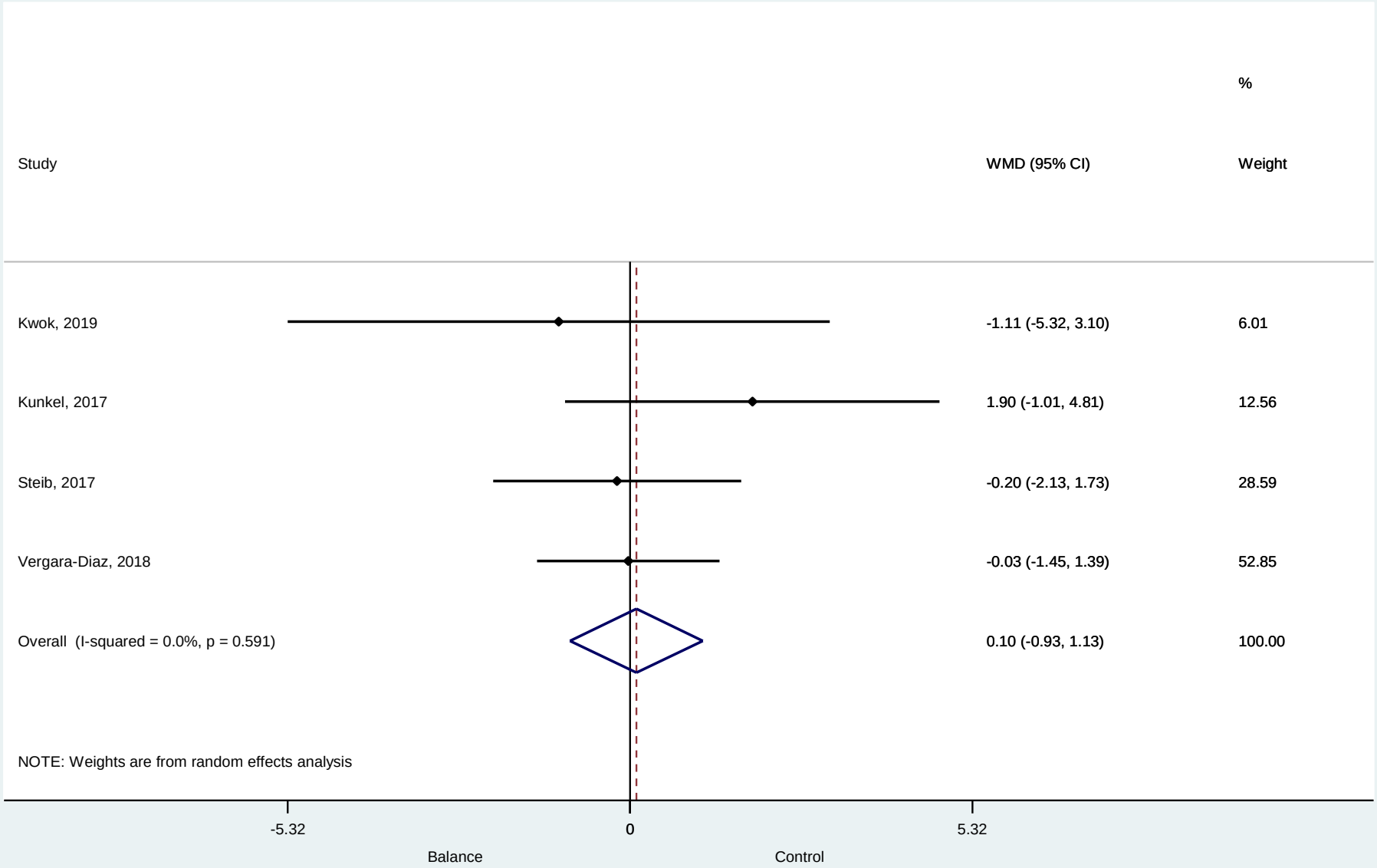


Figure 23: Meta-analysis- UPDRS II (post)

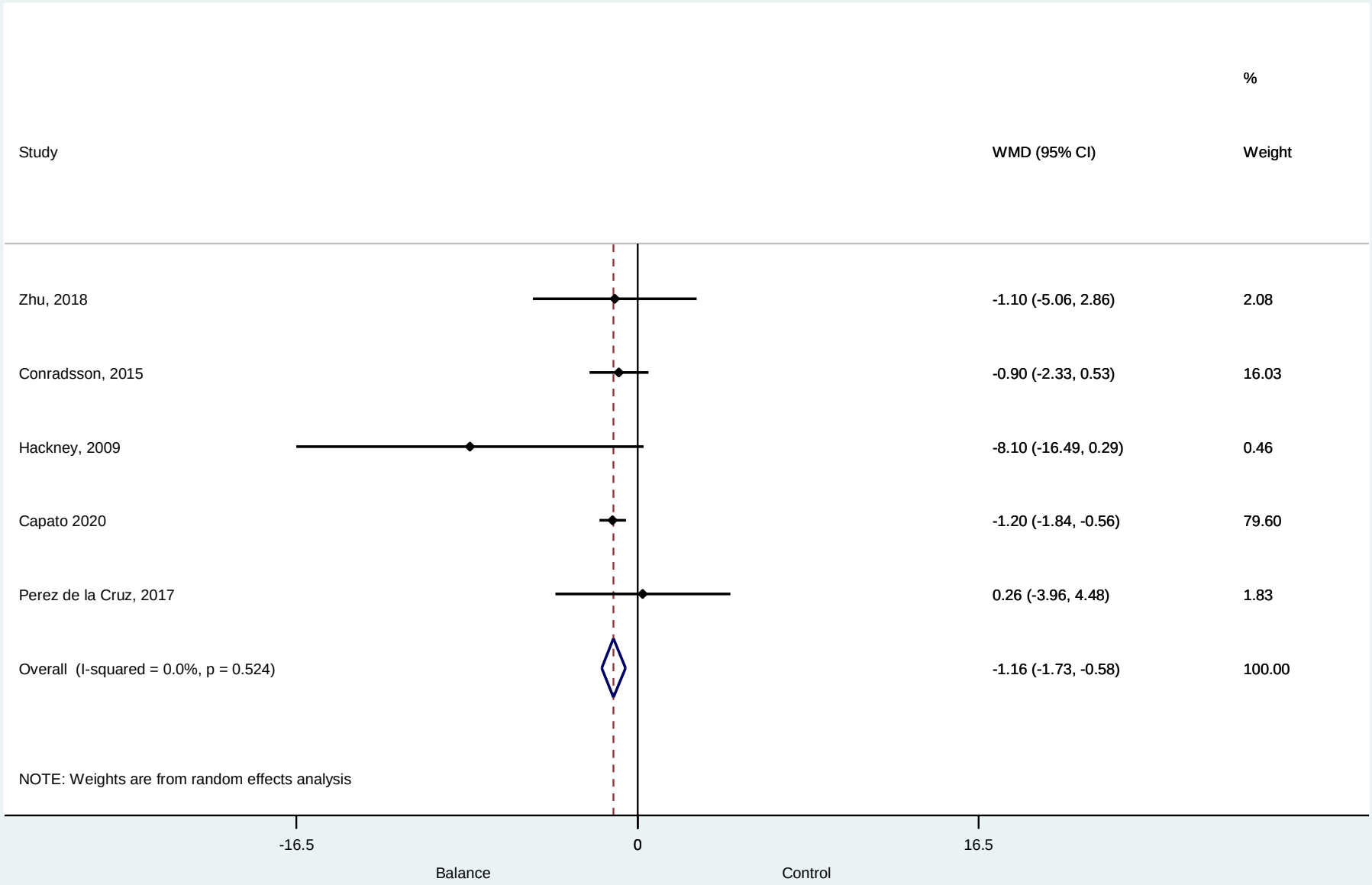


Figure 24: Meta-analysis- Balance (3mos)

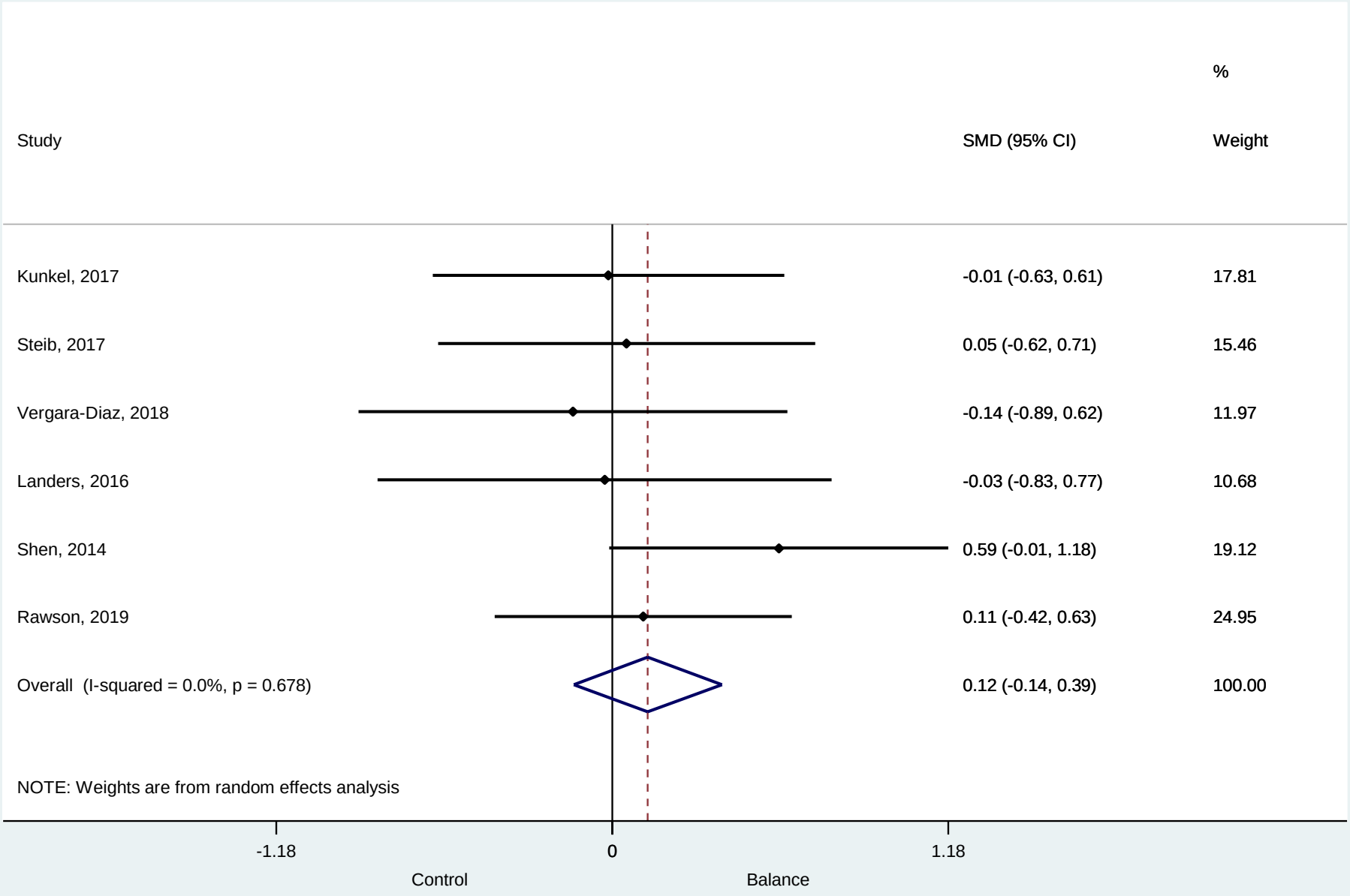

%
Study
SMD (95% CI)
Weight
Kunkel, 2017
-0.01 (-0.63, 0.61)
17.81
Steib, 2017
0.05 (-0.62, 0.71)
15.46
Vergara-Diaz, 2018
-0.14 (-0.89, 0.62)
11.97
Landers, 2016
-0.03 (-0.83, 0.77)
10.68
Shen, 2014
0.59 (-0.01, 1.18)
19.12
Rawson, 2019
0.11 (-0.42, 0.63)
24.95
Overall (I-squared = 0.0%, p = 0.678)
0.12 (-0.14, 0.39)
100.00
NOTE: Weights are from random effects analysis
-1.18
0
1.18
Control
Balance

Table 6463: PICO 3b- Balance vs. Other- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.1 (0.89, 1.31)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.3 (1.09, 1.51)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.7 (1.47, 1.93)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0 (-0.09, 0.09)	NS
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.1 (-0.19, -0.01)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0 (-0.09, 0.09)	NS

Table 6564: PICO 3b- Balance vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schlenstedt, 2015	Moderate	UPDRS Total ( )	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-4.9 (-13.44, 3.64)	NS
Schlenstedt, 2015	Moderate	UPDRS Total ( )	12 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-3 (-14.31, 8.31)	NS
Schlenstedt, 2015	Moderate	UPDRS III ( )	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-2.8 (-8.22, 2.62)	NS
Schlenstedt, 2015	Moderate	UPDRS III ( )	12 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-2.9 (-9.15, 3.35)	NS
Picelli, 2015	High	UPDRS III ( )	.	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test, p = 0.862	N/A	NS
Picelli, 2015	High	UPDRS III ( )	1 mos	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test, p = 0.579	N/A	NS
Schenkman, 2012	Moderate	UPDRS III ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.8 (1.10, 2.50)	**Supervised aerobic exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	UPDRS III ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.8 (0.07, 1.53)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.8 (0.98, 2.62)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.7 (0.79, 2.61)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.8 (0.77, 2.83)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.2 (0.08, 2.32)	**Supervised aerobic exercise**
Li, 2012	High	UPDRS III ( )	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-1.39 (-2.93, 0.15)	NS
Li, 2012	High	UPDRS III ( )	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	-4.8 (-6.89, -2.71)	**Tai Chi**

Table 6665: PICO 3b- Balance vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2017	High	Amount of sway (CoP area sway (Bipedal) (cm2))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-0.6 (-2.30, 1.10)	NS
Santos, 2017	High	Amount of sway (CoP area sway (Romberg- Eyes open) (cm2))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-0.2 (-2.40, 2.00)	NS
Santos, 2017	High	Amount of sway (CoP area sway (Romberg- Eyes closed) (cm2))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-3.5 (-6.52, -0.48)	**Balance training**
Santos, 2017	High	Amount of sway (CoP area sway (Tandem- Eyes open) (cm2))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-1.2 (-3.91, 1.51)	NS
Santos, 2017	High	Amount of sway (CoP area sway (Tandem- Eyes closed) (cm2))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-7.3 (-12.19, -2.41)	**Balance training**
Santos, 2017	High	Amount of sway (CoP area sway (One-legged) (cm2))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-4.4 (-7.53, -1.27)	**Balance training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2017	High	Amount of sway (CoP area sway (Double task) (cm2))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-3.4 (-7.70, 0.90)	NS
Santos, 2017	High	Balance (BESTest-Section I (%))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	1.2 (-12.24, 14.64)	NS
Santos, 2017	High	Balance (BESTest-Section II (%))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-2.1 (-8.31, 4.11)	NS
Santos, 2017	High	Balance (BESTest-Section III (%))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	6.2 (-0.05, 12.45)	NS
Santos, 2017	High	Balance (BESTest-Section IV (%))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	-3.5 (-17.41, 10.41)	NS
Santos, 2017	High	Balance (BESTest-Section V (%))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	3.7 (-0.83, 8.23)	NS
Santos, 2017	High	Balance (BESTest-Section VI (%))	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	7.4 (3.31, 11.49)	**Balance training**
Santos, 2017	High	Balance (BESTest Total)	.	Balance training: 1hr, 2x/week, 8 weeks	Resistance training: 1hr, 2x/week, 8 weeks	Mean Difference	2 (-1.98, 5.98)	NS
Schlenstedt, 2015	Moderate	Balance (FAB)	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	0.4 (-3.31, 4.11)	NS
Schlenstedt, 2015	Moderate	Balance (FAB)	12 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	1.5 (-2.31, 5.31)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schlenstedt, 2015	Moderate	Balance (Forward pull)	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-500.1 (-724.43, -275.77)	**Resistance training**
Schlenstedt, 2015	Moderate	Balance (Backward pull)	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	135.3 (-120.04, 390.64)	NS
Schlenstedt, 2015	Moderate	Mobility (TUG)	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.5 (-1.96, 0.96)	NS
Schlenstedt, 2015	Moderate	Mobility (TUG)	12 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-1.6 (-3.17, -0.03)	**Balance training**
Schlenstedt, 2015	Moderate	Gait velocity ( )	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	0.7 (-10.75, 12.15)	NS
Schlenstedt, 2015	Moderate	Stride (Stride length)	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	11.2 (1.33, 21.07)	**Balance training**
Schlenstedt, 2015	Moderate	Double support (Double support time)	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-1.3 (-24.72, 22.12)	NS
Schlenstedt, 2015	Moderate	Stride (Stride time variability (%))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-0.7 (-1.60, 0.20)	NS
Schlenstedt, 2015	Moderate	Gait assessment (Gait asymmetry index)	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-1 (-4.37, 2.37)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schlenstedt, 2015	Moderate	Strength/Power (Leg strength (MVC) (Least affected side) (N))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	-8.1 (-90.47, 74.27)	NS
Schlenstedt, 2015	Moderate	Strength/Power (Leg strength (MVC) (Most affected side) (N))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	26.4 (-51.67, 104.47)	NS
Schlenstedt, 2015	Moderate	Strength/Power (Peak RFD (Least affected side) (N/ms))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	0.2 (-0.39, 0.79)	NS
Schlenstedt, 2015	Moderate	Strength/Power (Peak RFD (Most affected side) (N/ms))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	0.2 (-0.36, 0.76)	NS
Schlenstedt, 2015	Moderate	Strength/Power (RFD (rate of force development)-Least affected side (N/ms))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	0.1 (-0.32, 0.52)	NS
Schlenstedt, 2015	Moderate	Strength/Power (RFD (rate of force development)-Most affected side (N/ms))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	0 (-0.45, 0.45)	NS
Schlenstedt, 2015	Moderate	Gait assessment (PCI (Phase Coordination Index))	8 wks	Balance training: 60min, 2x/week, 7 weeks	Resistance training: 60min, 2x/week, 7 weeks	Mean Difference	0.8 (-0.56, 2.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2015	High	Balance (BBS)	.	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test, p = 0.741	N/A	NS
Picelli, 2015	High	Balance (BBS)	1 mos	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test, p = 0.937	N/A	NS
Picelli, 2015	High	Balance (ABC)	.	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test, p = 0.352	N/A	NS
Picelli, 2015	High	Balance (ABC)	1 mos	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test, p = 0.928	N/A	NS
Picelli, 2015	High	Mobility (TUG)	.	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test	N/A	NS
Picelli, 2015	High	Mobility (TUG)	1 mos	Balance training: 45min, 3x/week, 4 weeks	Robotic gait training: 45min, 3x/week, 4 weeks	Author Reported - MWU test	N/A	NS
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	3.1 (2.09, 4.11)	**Flexibility/Balance/Function exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1 (-2.10, 0.10)	NS
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	2.4 (1.28, 3.52)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.6 (-0.83, -0.37)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.43, 0.03)	NS
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.43, 0.03)	NS
Schenkman, 2012	Moderate	UPDRS II ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.53, 0.13)	NS
Schenkman, 2012	Moderate	UPDRS II ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.9 (0.53, 1.27)	**Supervised aerobic exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	UPDRS II ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.57, 0.17)	NS
Li, 2012	High	Stability (Maximum excursion (%))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	5.59 (0.03, 11.15)	**Tai Chi**
Li, 2012	High	Stability (Directional control (%))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	11.08 (4.87, 17.29)	**Tai Chi**
Li, 2012	High	Stride (Stride length)	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	7.1 (0.05, 14.15)	**Tai Chi**
Li, 2012	High	Gait velocity ( )	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	1.5 (-6.33, 9.33)	NS
Li, 2012	High	Strength/Power (Peak toque knee extension (nm))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	1.9 (-11.72, 15.52)	NS
Li, 2012	High	Strength/Power (Peak toque knee flexion (nm))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-0.3 (-6.75, 6.15)	NS
Li, 2012	High	Balance (Functional Reach Test)	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	2.8 (0.73, 4.87)	**Tai Chi**
Li, 2012	High	Mobility (TUG)	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-0.4 (-1.31, 0.51)	NS
Li, 2012	High	Stability (Maximum excursion (%))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	11.68 (6.53, 16.83)	**Tai Chi**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Li, 2012	High	Stability (Directional control (%))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	11.21 (5.26, 17.16)	**Tai Chi**
Li, 2012	High	Stride (Stride length)	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	12.3 (5.62, 18.98)	**Tai Chi**
Li, 2012	High	Gait velocity ( )	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	14.2 (7.03, 21.37)	**Tai Chi**
Li, 2012	High	Strength/Power (Peak toque knee extension (nm))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	13.6 (1.58, 25.62)	**Tai Chi**
Li, 2012	High	Strength/Power (Peak toque knee flexion (nm))	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	7.7 (1.30, 14.10)	**Tai Chi**
Li, 2012	High	Balance (Functional Reach Test)	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	4.4 (2.18, 6.62)	**Tai Chi**
Li, 2012	High	Mobility (TUG)	6 mos	Tai Chi: 1hr, 2x/week, 24 weeks	Stretching: 1hr, 2x/week, 24 weeks	Mean Difference	-1.12 (-2.18, -0.06)	**Tai Chi**

Table 6766: PICO 3b- Balance vs. Other- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Li, 2014	Moderate	PDQ-8 ( )	6 mos	Tai Chi: 1hr, 2x/week, 6 months	Resistance training: 1hr, 2x/week, 6 months	Mean Difference	-5.91 (-10.05, -1.77)	**Tai Chi**
Li, 2014	Moderate	Satisfaction (Vitality Plus Scale)	6 mos	Tai Chi: 1hr, 2x/week, 6 months	Resistance training: 1hr, 2x/week, 6 months	Mean Difference	0.6 (-1.77, 2.97)	NS
Li, 2014	Moderate	PDQ-8 ( )	6 mos	Tai Chi: 1hr, 2x/week, 6 months	Stretching: 1hr, 2x/week, 6 months	Mean Difference	-9.62 (-14.30, -4.94)	**Tai Chi**
Li, 2014	Moderate	Satisfaction (Vitality Plus Scale)	6 mos	Tai Chi: 1hr, 2x/week, 6 months	Stretching: 1hr, 2x/week, 6 months	Mean Difference	2.58 (0.32, 4.84)	**Tai Chi**
Schenkman, 2012	Moderate	PDQ-39 ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	3.9 (3.06, 4.74)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.1 (-2.01, -0.19)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.1 (-0.93, 1.13)	NS

Table 6867: PICO 3c- Balance vs. Balance- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2017	High	HeCR (Home exercise compliance rate) ( )	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	13.67 (2.62, 24.72)	**Group-based Tai Chi training**

Table 6968: PICO 3c- Balance vs. Balance- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2014	High	UPDRS III ( )	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	2.8 (-4.78, 10.38)	NS
Capato 2020	High	UPDRS III ( )	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-1.9 (-2.61, -1.19)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS III ( )	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-2 (-2.78, -1.22)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS III ( )	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-1.5 (-2.22, -0.78)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**

Table 7069: PICO 3c- Balance vs. Balance- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Poier, 2019	High	Impairment in daily life ( )	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	1.45 (-12.03, 14.93)	NS
Giardini, 2018	High	Balance (Dynamic balance test)	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	RR	1.22(0.91,1.64)	NS
Giardini, 2018	High	Balance (Mini BESTest)	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	Author Reported - MW U test (p = 0.18)	N/A	NS
Giardini, 2018	High	Gait speed ( )	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	Author Reported - ANOVA (p = 0.68)	N/A	NS
Giardini, 2018	High	Step (Cadence)	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	Mean Difference	-1.3 (-8.04, 5.44)	NS
Giardini, 2018	High	Step (Step length)	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	Author Reported - Post hoc test (p = 0.94)	N/A	NS
Giardini, 2018	High	Mobility (TUG)	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	Author Reported - ANOVA (p =0.43)	N/A	NS
Giardini, 2018	High	Fall Fear/Risk (FES-I)	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	Mean Difference	3.1 (-3.03, 9.23)	NS
Gandolfi, 2017	Moderate	Balance (BBS)	.	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	2.55 (0.35, 4.75)	**In-home virtual reality training (Nintendo Wii Fit- TeleWii)**
Gandolfi, 2017	Moderate	Balance (BBS)	1 mos	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	2.18 (-0.48, 4.84)	NS
Gandolfi, 2017	Moderate	Balance (ABC)	.	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	7.1 (-1.40, 15.60)	NS
Gandolfi, 2017	Moderate	Balance (ABC)	1 mos	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	4.61 (-2.88, 12.10)	NS
Gandolfi, 2017	Moderate	Walk test (10MWT (m/s))	.	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.02 (-0.18, 0.22)	NS
Gandolfi, 2017	Moderate	Walk test (10MWT (m/s))	1 mos	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.05 (-0.14, 0.24)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gandolfi, 2017	Moderate	Gait assessment (DGI)	.	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.06 (-1.05, 1.17)	NS
Gandolfi, 2017	Moderate	Gait assessment (DGI)	1 mos	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.27 (-0.98, 1.52)	NS
Gandolfi, 2017	Moderate	Falls (Falls (number))	.	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	-0.23 (-0.98, 0.52)	NS
Gandolfi, 2017	Moderate	Falls (Falls (number))	1 mos	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	-0.52 (-1.67, 0.63)	NS
Atterbury, 2017	Moderate	Mobility (ITUG (sec))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	-3.75 (-9.43, 1.93)	NS
Atterbury, 2017	Moderate	Stride (Stride length (% of stature))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	1.89 (-5.01, 8.79)	NS
Atterbury, 2017	Moderate	Stride (Stride velocity)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	5.27 (-3.28, 13.82)	NS
Atterbury, 2017	Moderate	Step (Cadence)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	6.21 (0.40, 12.02)	**Therapist-supervised group (Balance training program)**
Atterbury, 2017	Moderate	Double support (Double support time)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	-1.49 (-4.90, 1.92)	NS
Atterbury, 2017	Moderate	Gait assessment (FGA)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p-val unknown	N/A	NS
Atterbury, 2017	Moderate	Balance (ABC)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p = 0.20	N/A	NS
Shih, 2016	High	Stability (LOS (Reaction time) (sec))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	-0.05 (-0.24, 0.14)	NS
Shih, 2016	High	Stability (LOS (Movement velocity) (deg/sec))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	-0.74 (-1.80, 0.32)	NS
Shih, 2016	High	Stability (LOS (Endpoint excursion) (%))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	2.2 (-8.06, 12.46)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shih, 2016	High	Stability (LOS (Directional control) (%))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	8.3 (0.80, 15.80)	**Balance-based exergaming (Kinect sensor) (with Balance training)**
Shih, 2016	High	Stance duration (One-leg stance (Less affected with eyes open) (sec))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	2.18 (-7.29, 11.65)	NS
Shih, 2016	High	Stance duration (One-leg stance (More affected with eyes open) (sec))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	1.04 (-8.30, 10.38)	NS
Shih, 2016	High	Stance duration (One-leg stance (Less affected with eyes closed) (sec))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	0.79 (-6.38, 7.96)	NS
Shih, 2016	High	Stance duration (One-leg stance (More affected with eyes closed) (sec))	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	-2.53 (-8.01, 2.95)	NS
Shih, 2016	High	Balance (BBS)	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	0.2 (-1.92, 2.32)	NS
Shih, 2016	High	Mobility (TUG)	.	Balance-based exergaming (Kinect sensor) (with Balance training): 50min, 2/week, 8 weeks	Balance training: 50min, 2/week, 8 weeks	Mean Difference	-0.47 (-2.87, 1.93)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-14.3 (-25.96, -2.64)	**Balance training + Internal focus instructions**
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-6.8 (-17.00, 3.40)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-6.6 (-17.05, 3.85)	NS
Landers, 2016	Moderate	Balance (BBS)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.1 (-5.51, 5.31)	NS
Landers, 2016	Moderate	Balance (BBS)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-1.1 (-7.50, 5.30)	NS
Landers, 2016	Moderate	Balance (BBS)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	1 (-6.33, 8.33)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.05 (-0.38, 0.28)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.16 (-0.45, 0.13)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.13 (-0.46, 0.20)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.7 (-3.90, 2.50)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.4 (-3.87, 3.07)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.1 (-5.00, 4.80)	NS
Landers, 2016	Moderate	Balance (ABC)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-14.6 (-31.62, 2.42)	NS
Landers, 2016	Moderate	Balance (ABC)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-4.9 (-22.07, 12.27)	NS
Landers, 2016	Moderate	Balance (ABC)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-17.5 (-35.97, 0.97)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	19.2 (-16.29, 54.69)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	13.6 (-25.19, 52.39)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	7.7 (-39.23, 54.63)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-10.1 (-20.77, 0.57)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-3.7 (-14.02, 6.62)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	0.8 (-10.28, 11.88)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2016	Moderate	Balance (BBS)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	0.6 (-5.04, 6.24)	NS
Landers, 2016	Moderate	Balance (BBS)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-2.6 (-7.62, 2.42)	NS
Landers, 2016	Moderate	Balance (BBS)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-1 (-7.69, 5.69)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.09 (-0.49, 0.31)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.16 (-0.51, 0.19)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.14 (-0.50, 0.22)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	0.6 (-2.86, 4.06)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.3 (-3.78, 3.18)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-2 (-6.83, 2.83)	NS
Landers, 2016	Moderate	Balance (ABC)	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-10.9 (-28.82, 7.02)	NS
Landers, 2016	Moderate	Balance (ABC)	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-5.3 (-23.52, 12.92)	NS
Landers, 2016	Moderate	Balance (ABC)	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-13.6 (-33.70, 6.50)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	4 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-1.1 (-45.14, 42.94)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	6 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	7.8 (-30.28, 45.88)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	12 wks	Balance training + External focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	1.6 (-44.16, 47.36)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	4.2 (-5.99, 14.39)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	3.1 (-7.18, 13.38)	NS
Landers, 2016	Moderate	Sensory Organization Test (SOT) ( )	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	7.4 (-3.18, 17.98)	NS
Landers, 2016	Moderate	Balance (BBS)	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	0.7 (-4.92, 6.32)	NS
Landers, 2016	Moderate	Balance (BBS)	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-1.5 (-7.54, 4.54)	NS
Landers, 2016	Moderate	Balance (BBS)	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-2 (-9.07, 5.07)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.04 (-0.39, 0.31)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	0 (-0.32, 0.32)	NS
Landers, 2016	Moderate	Gait velocity (Self-selected gait velocity (m/s))	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.01 (-0.35, 0.33)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	1.3 (-1.43, 4.03)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	0.1 (-2.53, 2.73)	NS
Landers, 2016	Moderate	Gait assessment (DGI)	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-1.9 (-5.90, 2.10)	NS
Landers, 2016	Moderate	Balance (ABC)	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	3.7 (-9.13, 16.53)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Landers, 2016	Moderate	Balance (ABC)	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-0.4 (-15.45, 14.65)	NS
Landers, 2016	Moderate	Balance (ABC)	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	3.9 (-10.73, 18.53)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	4 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-20.3 (-53.54, 12.94)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	6 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-5.8 (-33.83, 22.23)	NS
Landers, 2016	Moderate	Mobility (Obstacle course completion (sec))	12 wks	Balance training + Internal focus instructions: 45min, 3x/week, 4 weeks	Balance training + No attentional focus instructions: 45min, 3x/week, 4 weeks	Mean Difference	-6.1 (-50.55, 38.35)	NS
Frazzitta, 2015	High	Balance (BBS)	.	Stabilometric balance training: 6 days/week, 4 weeks	Crossover balance training: 6 days/week, 4 weeks	Mean Difference	-0.3 (-10.84, 10.24)	NS
Frazzitta, 2015	High	UPDRS II ( )	.	Stabilometric balance training: 6 days/week, 4 weeks	Crossover balance training: 6 days/week, 4 weeks	Mean Difference	-0.1 (-7.38, 7.18)	NS
Frazzitta, 2015	High	Mobility (TUG)	.	Stabilometric balance training: 6 days/week, 4 weeks	Crossover balance training: 6 days/week, 4 weeks	Mean Difference	-0.3 (-4.76, 4.16)	NS
Frazzitta, 2015	High	Walk test (6MWT (m))	.	Stabilometric balance training: 6 days/week, 4 weeks	Crossover balance training: 6 days/week, 4 weeks	Mean Difference	-34.5 (-158.61, 89.61)	NS
Volpe, 2014	High	Amount of sway (CoP Sway- Eyes open (mm2))	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	-17.9 (-75.71, 39.91)	NS
Volpe, 2014	High	Amount of sway (CoP Sway- Eyes closed (mm2))	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	6.7 (-44.40, 57.80)	NS
Volpe, 2014	High	UPDRS II ( )	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	1.4 (-2.87, 5.67)	NS
Volpe, 2014	High	Balance (BBS)	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	1.3 (-1.42, 4.02)	NS
Volpe, 2014	High	Mobility (TUG)	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	-0.6 (-2.27, 1.07)	NS
Volpe, 2014	High	Balance (ABC)	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	9.6 (-0.16, 19.36)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2014	High	Falls (Falls (number))	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	-1 (-2.13, 0.13)	NS
Volpe, 2014	High	Fall Fear/Risk (FES)	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	-3.8 (-7.13, -0.47)	**Hydrotherapy (Perturbation-based balance training)**
Yen, 2011	High	Reaction time (Verbal reaction time (Single secondary task- Eyes open) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	74.2 (-40.39, 188.79)	NS
Yen, 2011	High	Reaction time (Verbal reaction time (Single secondary task- Eyes open) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	41.3 (-83.42, 166.02)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-1) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	85.5 (-50.12, 221.12)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-1) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	34.8 (-266.36, 335.96)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-2) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	170.8 (-15.17, 356.77)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-2) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	137.4 (-171.75, 446.55)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-3) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	29.3 (-102.86, 161.46)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-3) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	89 (-94.78, 272.78)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-4) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	12.9 (-153.27, 179.07)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-4) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	223.6 (-75.22, 522.42)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-5) (ms))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-8.4 (-144.62, 127.82)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (VRT (Dual task SOT-5) (ms))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	103.9 (-54.01, 261.81)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-1.7 (-3.89, 0.49)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-1.4 (-3.45, 0.65)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-3.5 (-6.19, -0.81)	**Conventional Balance training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Somatosensory (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-1.5 (-4.23, 1.23)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-9.6 (-19.36, 0.16)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-5.9 (-15.57, 3.77)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-9.9 (-22.98, 3.18)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vision (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-4.4 (-16.57, 7.77)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-12.7 (-30.02, 4.62)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-5.4 (-25.20, 14.40)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-6.8 (-23.49, 9.89)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Vestibular (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-4.4 (-24.01, 15.21)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Visual Preference (Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	0.09 (-0.00, 0.18)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Visual Preference (Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	0.06 (-0.04, 0.16)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Visual Preference (Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	0.13 (0.05, 0.21)	**Virtual Reality Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Sensory ratio of SOT: Visual Preference (Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	0.08 (-0.00, 0.16)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-0.6 (-3.29, 2.09)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	0.4 (-2.43, 3.23)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-0.5 (-3.05, 2.05)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-1 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-1 (-3.76, 1.76)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-2.4 (-4.95, 0.15)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-1.2 (-4.03, 1.63)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-3.5 (-6.47, -0.53)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-2 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-2.3 (-4.99, 0.39)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-2.5 (-5.26, 0.26)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-2 (-5.32, 1.32)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	0 (-2.97, 2.97)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-3 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-0.7 (-4.31, 2.91)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-9.6 (-19.08, -0.12)	**Conventional Balance training**
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-5.14 (-14.35, 4.07)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-8.2 (-20.50, 4.10)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-4 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-4.5 (-15.67, 6.67)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-12 (-28.12, 4.12)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score- SOT-5 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-4.5 (-22.39, 13.39)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-5.5 (-20.56, 9.56)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-5 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-3.7 (-20.39, 12.99)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-0.7 (-15.12, 13.72)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Single task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-4.6 (-21.29, 12.09)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	.	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	7.2 (-9.28, 23.68)	NS
Yen, 2011	High	Sensory Organization Test (SOT) (Equilibrium Score (SOT-6 Dual task))	4 wks	Virtual Reality Balance training: 30min, 2x/week, 6 weeks	Conventional Balance training: 30min, 2x/week, 6 weeks	Mean Difference	-0.3 (-16.28, 15.68)	NS
Capato 2020	High	Balance (Mini BESTest)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	3.6 (2.40, 4.80)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (Mini BESTest)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	4.1 (2.75, 5.45)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (Mini BESTest)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	3.8 (2.60, 5.00)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (BBS)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	5.3 (3.25, 7.35)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Balance (BBS)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	5.3 (3.32, 7.28)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	Balance (BBS)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	4.2 (2.15, 6.25)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Retropulsion Test)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.3 (-0.58, -0.02)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Retropulsion Test)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.6 (-0.96, -0.24)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Retropulsion Test)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.4 (-0.68, -0.12)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Push and Release Test (PRT))	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.3 (-0.44, -0.16)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Push and Release Test (PRT))	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.6 (-0.74, -0.46)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Stability (Push and Release Test (PRT))	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.2 (-0.52, 0.12)	NS
Capato 2020	High	Fall Fear/Risk (FES-I)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-3.6 (-5.72, -1.48)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Fall Fear/Risk (FES-I)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-5.1 (-7.22, -2.98)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Fall Fear/Risk (FES-I)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-3.6 (-5.93, -1.27)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	0.5 (-2.27, 3.27)	NS
Capato 2020	High	Mobility (TUG)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-2 (-4.76, 0.76)	NS
Capato 2020	High	Mobility (TUG)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-1.6 (-4.43, 1.23)	NS
Capato 2020	High	Mobility (TUG- Dual Task (sec))	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-1.5 (-4.68, 1.68)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	Mobility (TUG- Dual Task (sec))	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-3.6 (-6.71, -0.49)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Mobility (TUG- Dual Task (sec))	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-5.9 (-9.08, -2.72)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	FOG (NFOGQ)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	0.5 (-1.13, 2.13)	NS
Capato 2020	High	FOG (NFOGQ)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	0.2 (-1.43, 1.83)	NS
Capato 2020	High	FOG (NFOGQ)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	0.9 (-0.73, 2.53)	NS
Capato 2020	High	Turning (Rapid Turns Test)	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.2 (-0.34, -0.06)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	Turning (Rapid Turns Test)	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	0 (-0.14, 0.14)	NS
Capato 2020	High	Turning (Rapid Turns Test)	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	0 (-0.10, 0.10)	NS
Capato 2020	High	UPDRS II ( )	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.7 (-1.27, -0.13)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS II ( )	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.9 (-1.35, -0.45)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Capato 2020	High	UPDRS II ( )	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-0.7 (-1.27, -0.13)	**RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli)**
Shahmohammadi, 2017	High	Amount of sway (CoP sway range)	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Shahmohammadi, 2017	High	Amount of sway (CoP velocity)	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Shahmohammadi, 2017	High	Amount of sway (CoP sway area)	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shahmohammadi, 2017	High	Amount of sway (CoP frequency)	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Table 7170: PICO 3c- Balance vs. Balance- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capato 2020	High	LEDD ( )	.	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-9 (-33.76, 15.76)	NS
Capato 2020	High	LEDD ( )	1 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-11 (-35.76, 13.76)	NS
Capato 2020	High	LEDD ( )	6 mos	RAS-supported Multimodal Balance Training (Rhythmical auditory stimuli): 45min, 2x/week, 5 weeks	Regular Multimodal Balance Training (without RAS): 45min, 2x/week, 5 weeks	Mean Difference	-28 (-87.77, 31.77)	NS

Table 7271: PICO 3c- Balance vs. Balance- Non-motor symptoms

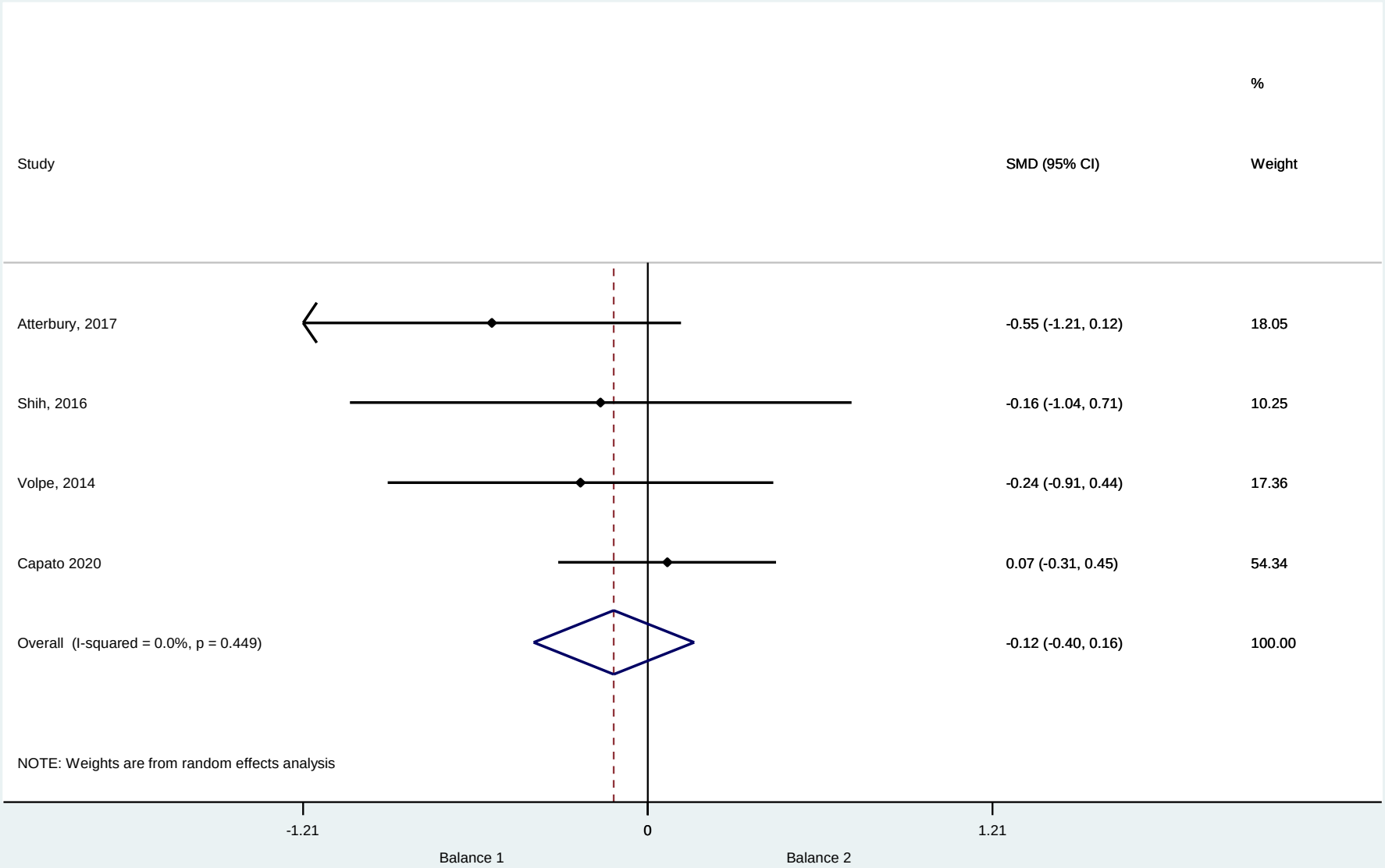
Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2017	High	Non-motor symptoms questionnaire ( )	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	-10.86 (-25.03, 3.31)	NS
Yang, 2017	High	Sleep (PDSS)	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	3.04 (-9.05, 15.13)	NS
Yang, 2017	High	Depression (HAM-D)	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	-0.13 (-2.35, 2.09)	NS
Yang, 2017	High	Cognition (MoCA-BJ)	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	0.31 (-1.44, 2.06)	NS

Table 7372: PICO 3c- Balance vs. Balance- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Poier, 2019	High	PDQ-39 ( )	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-1.58 (-9.47, 6.31)	NS
Poier, 2019	High	PDQ-39 (PDQ-39 (Mobility))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-11.22 (-27.86, 5.42)	NS
Poier, 2019	High	PDQ-39 (PDQ-39 (ADL))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	12.5 (-6.24, 31.24)	NS
Poier, 2019	High	PDQ-39 (PDQ-39 (Emotional well-being))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-14.93 (-27.13, -2.73)	**Tango Argentino**
Poier, 2019	High	PDQ-39 (PDQ-39 (Stigma))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-0.04 (-11.24, 11.16)	NS
Poier, 2019	High	PDQ-39 (PDQ-39 (Social support))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	7.52 (-4.79, 19.83)	NS
Poier, 2019	High	PDQ-39 (PDQ-39 (Cognition))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-1.53 (-19.46, 16.40)	NS
Poier, 2019	High	PDQ-39 (PDQ-39 (Communication))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-4.8 (-16.74, 7.14)	NS
Poier, 2019	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-0.13 (-13.95, 13.69)	NS
Poier, 2019	High	Satisfaction (BMLSS (Life satisfaction))	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	3.26 (-9.74, 16.26)	NS
Poier, 2019	High	ICPH (Inner Correspondence and Feelings of Peaceful Relief) (ICPH Inner Congruence)	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-1.6 (-17.89, 14.69)	NS
Poier, 2019	High	Effectiveness expectation ( )	.	Tango Argentino: 1hr, 1x/week, 10 weeks	Tai Chi: 1hr, 1x/week, 10 weeks	Mean Difference	-6.19 (-19.09, 6.71)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Giardini, 2018	High	PDQ-8 ( )	.	Mobile platform balance training: 1hr, 2-3x/week, 4 weeks	Balance exercise training: 1hr, 2-3x/week, 4 weeks	Mean Difference	2.4 (-1.49, 6.29)	NS
Gandolfi, 2017	Moderate	PDQ-8 ( )	.	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	-0.05 (-7.24, 7.14)	NS
Gandolfi, 2017	Moderate	PDQ-9 ( )	1 mos	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	1.91 (-4.67, 8.49)	NS
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Interest/Enjoyment))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p = 0.002	N/A	**Therapist supervised group favored over Home-based group**
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Perceived competence))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Effort/Importance))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Pressure/Tension))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Value/Usefulness))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS
Volpe, 2014	High	PDQ-39 ( )	.	Hydrotherapy (Perturbation-based balance training): 1hr, 5x/week, 2 months	Land-based rehabilitation: 1hr, 5x/week, 2 months	Mean Difference	-14.5 (-30.66, 1.66)	NS
Shahmohammadi, 2017	High	PDQL (PDQL (Parkinson's symptoms))	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Shahmohammadi, 2017	High	PDQL (PDQL (Systematic symptoms))	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Shahmohammadi, 2017	High	PDQL (PDQL (Emotional functioning))	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Shahmohammadi, 2017	High	PDQL (PDQL (Social functioning))	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Shahmohammadi, 2017	High	PDQL (PDQL total)	.	Aquatic therapy (exercises for postural stability): 40min, 3x/wk, 8 weeks	Land-based exercise (exercises for postural stability): 40min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Figure 25: Meta-analysis- TUG (post)



PICO 4

Table 7473: PICO 4a- Stretching/Flexibility vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Pain (Temporary mild knee pain)	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	RR	1.42(0.24,8.21)	NS
Miyahara, 2018	Moderate	Pain (VAS)	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-2.73 (-3.46, -2.00)	**Therapeutic Thai massage**

Table 7574: PICO 4a- Stretching/Flexibility vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	UPDRS III (MDS-UPDRS III)	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.43 (-6.16, 3.30)	NS
Kwok, 2019	High	UPDRS III (MDS-UPDRS III)	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-0.84 (-4.89, 3.21)	NS
Kurt, 2018	High	UPDRS III ( )	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	0.6 (-2.20, 3.40)	NS
Cheung, 2018	High	UPDRS III ( )	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-5.5 (-7.03, -3.97)	**Hatha yoga program**
Vergara-Diaz, 2018	Moderate	UPDRS III ( )	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	1.69 (-5.20, 8.58)	NS
Vergara-Diaz, 2018	Moderate	UPDRS III ( )	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	3.21 (-3.29, 9.71)	NS
Miyahara, 2018	Moderate	UPDRS Total ( )	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-2.84 (-11.64, 5.96)	NS
Miyahara, 2018	Moderate	UPDRS III (UPDRS III (Bradykinesia of more affected upper limb))	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-0.4 (-1.38, 0.58)	NS
Miyahara, 2018	Moderate	UPDRS III (UPDRS III (Bradykinesia of less affected upper limb))	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-0.73 (-1.73, 0.27)	NS
Miyahara, 2018	Moderate	UPDRS III ( )	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-2.46 (-8.49, 3.57)	NS
Ni, 2016	Moderate	UPDRS III (UPDRS III (Bradykinesia Upper Limb))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-4.9 (-5.88, -3.92)	**Power Yoga program**
Ni, 2016	Moderate	UPDRS III (UPDRS III (Bradykinesia Lower Limb))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-2.8 (-4.43, -1.17)	**Power Yoga program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2016	Moderate	UPDRS III (UPDRS III (Rigidity))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-3.3 (-4.94, -1.66)	**Power Yoga program**
Ni, 2012	High	UPDRS III ( )	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-11.3 (-14.88, -7.72)	**Yoga**
Ajimsha, 2014	Moderate	UPDRS III ( )	8 wks	Autogenic training (visual imagery and body awareness to promote a state of deep relaxation (based on Schultz style)) + Physiotherapy: 40-60min, 1x/week, 8 weeks; Physiotherapy 1hr, 5x/week, 8 weeks	Control (Physiotherapy alone): 1hr, 5x/week, 8 weeks	Mean Difference	-6.9 (-8.34, -5.46)	**Autogenic training (visual imagery and body awareness to promote a state of deep relaxation (based on Schultz style)) + Physiotherapy**
Ajimsha, 2014	Moderate	UPDRS III ( )	12 wks	Autogenic training (visual imagery and body awareness to promote a state of deep relaxation (based on Schultz style)) + Physiotherapy: 40-60min, 1x/week, 8 weeks; Physiotherapy 1hr, 5x/week, 8 weeks	Control (Physiotherapy alone): 1hr, 5x/week, 8 weeks	Mean Difference	-4.4 (-5.88, -2.92)	**Autogenic training (visual imagery and body awareness to promote a state of deep relaxation (based on Schultz style)) + Physiotherapy**
Schenkman, 2012	Moderate	UPDRS III ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.2 (-0.90, 0.50)	NS
Schenkman, 2012	Moderate	UPDRS III ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.7 (-1.40, -0.00)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.5 (-1.31, 0.31)	NS
Schenkman, 2012	Moderate	UPDRS Total ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.9 (-2.78, -1.02)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.8 (-2.82, -0.78)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3 (-4.12, -1.88)	**Flexibility/Balance/Function exercise**
Zhu, 2020	High	UPDRS III ( )	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS

Table 7675: PICO 4a- Stretching/Flexibility vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Mobility (TUG)	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	2.31 (-1.33, 5.95)	NS
Kwok, 2019	High	Mobility (TUG)	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.11 (-5.32, 3.10)	NS
Walter, 2019	High	Balance (ABC)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	3.1 (-4.72, 10.92)	NS
Walter, 2019	High	Fall Fear/Risk (Falls Control Scale)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	0.85 (-0.83, 2.53)	NS
Walter, 2019	High	Fall Fear/Risk (Falls Management Scale)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	1.36 (-0.47, 3.19)	NS
Kurt, 2018	High	Stability (Anterior Posterior Stability Index)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	-0.01 (-0.43, 0.41)	NS
Kurt, 2018	High	Stability (Medial Lateral Stability Index)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	0.18 (-0.49, 0.85)	NS
Kurt, 2018	High	Balance (Overall Balance Index)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	-0.39 (-1.12, 0.34)	NS
Kurt, 2018	High	Balance (BBS)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	1 (-7.25, 9.25)	NS
Kurt, 2018	High	Mobility (TUG)	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	1.04 (-3.43, 5.51)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTc (CV %))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.67 (-3.12, 1.78)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTc (CV %))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.2 (-1.23, 1.63)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTs (CV %))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.65 (0.04, 1.26)	**Control (Usual care)**
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability DTs (CV %))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.31 (-0.97, 1.59)	NS
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability ST (CV %))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.66 (0.15, 1.17)	**Control (Usual care)**
Vergara-Diaz, 2018	Moderate	Stride (Stride time variability ST (CV %))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	0.13 (-0.41, 0.67)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTc (m/sec))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.11 (-0.28, 0.06)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTc (m/sec))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.11 (-0.27, 0.05)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTs (m/sec))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.12 (-0.27, 0.03)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed DTs (m/sec))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.17 (-0.33, -0.01)	**Control (Usual care)**
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed ST (m/sec))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.11 (-0.25, 0.03)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Gait speed ST (m/sec))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.09 (-0.24, 0.06)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Absolute DTc cost gait speed)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.02 (-0.12, 0.08)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Absolute DTc cost gait speed)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.03 (-0.13, 0.07)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (% DTc cost gait speed)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-2.1 (-10.35, 6.15)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (% DTc cost gait speed)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-2.8 (-10.88, 5.28)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Absolute DTs cost gait speed)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.01 (-0.07, 0.05)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (Absolute DTs cost gait speed)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.08 (-0.17, 0.01)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (% DTs cost gait speed)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-1.42 (-6.11, 3.27)	NS
Vergara-Diaz, 2018	Moderate	Gait speed (% DTs cost gait speed)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-6.35 (-13.04, 0.34)	NS
Vergara-Diaz, 2018	Moderate	Balance (ABC)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-2 (-12.44, 8.44)	NS
Vergara-Diaz, 2018	Moderate	Balance (ABC)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	1.6 (-8.29, 11.49)	NS
Vergara-Diaz, 2018	Moderate	Mobility (TUG)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.03 (-1.45, 1.39)	NS
Vergara-Diaz, 2018	Moderate	Mobility (TUG)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.61 (-2.29, 1.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Miyahara, 2018	Moderate	Strength/Power (Peak flexion torque)	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	15.46 (9.01, 21.91)	**Therapeutic Thai massage**
Miyahara, 2018	Moderate	Strength/Power (Peak extension torque)	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	14.72 (8.39, 21.05)	**Therapeutic Thai massage**
Miyahara, 2018	Moderate	Strength/Power (Time to maximal flexion speed)	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-0.21 (-0.36, -0.06)	**Control (Standard medical care)**
Miyahara, 2018	Moderate	Strength/Power (Time to maximal extension speed)	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-0.3 (-0.48, -0.12)	**Control (Standard medical care)**
Miyahara, 2018	Moderate	UPDRS II ( )	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	1.23 (-1.38, 3.84)	NS
Ni, 2016	Moderate	Strength/Power (Strength (Bicep curl))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	2.7 (0.55, 4.85)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Strength (Chest press))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	2.5 (0.53, 4.47)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Strength (Leg press))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	19.9 (5.86, 33.94)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Strength (Hip abduction))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	5.4 (1.91, 8.89)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Strength (Seated calf))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	33.9 (22.56, 45.24)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Power-Biceps curl (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	7.8 (-9.36, 24.96)	NS
Ni, 2016	Moderate	Strength/Power (Power-Chest press (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	18.6 (-2.56, 39.76)	NS
Ni, 2016	Moderate	Strength/Power (Power-Leg press (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	137.2 (77.00, 197.40)	**Power Yoga program**
Ni, 2016	Moderate	Strength/Power (Power-Abduction (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	10.3 (-4.91, 25.51)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2016	Moderate	Strength/Power (Power-Seated calf (watts))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	3 (-28.13, 34.13)	NS
Ni, 2012	High	Balance (BBS)	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	3.8 (2.03, 5.57)	**Yoga**
Ni, 2012	High	Balance (Mini BESTest)	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	3.3 (2.10, 4.50)	**Yoga**
Ni, 2012	High	Mobility (TUG)	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-2.6 (-4.40, -0.80)	**Yoga**
Ni, 2012	High	Balance (Functional Reach Test (more affected side (cm)))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.9 (-2.50, 4.30)	NS
Ni, 2012	High	Balance (Functional Reach Test (less affected side (cm)))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	2.7 (0.79, 4.61)	**Yoga**
Ni, 2012	High	Stance duration (SLS more affected side (sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	1.8 (-7.37, 10.97)	NS
Ni, 2012	High	Stance duration (SLS less affected side (sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	14.3 (-5.83, 34.43)	NS
Ni, 2012	High	Walk test (10-MWT (Usual walk speed) (m/s))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.17 (0.04, 0.30)	**Yoga**
Ni, 2012	High	Walk test (10-MWT (Maximal walk speed) (m/s))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.218 (0.00, 0.44)	**Yoga**
Ni, 2012	High	Strength/Power (Leg press (Strength) (kg)/BW (kg))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0.292 (0.08, 0.50)	**Yoga**
Ni, 2012	High	Strength/Power (Leg press (Peak power) (W)/BW (kg))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	1.89 (0.97, 2.81)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): COParea (cm2))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.23 (-0.70, 0.24)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.58 (-1.79, 0.63)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.46 (-1.84, 0.92)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.05 (-0.12, 0.02)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	0 (-0.16, 0.16)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): Vavg (cm/sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.53 (-1.41, 0.35)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): COParea (cm2))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.46 (-1.17, 0.25)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.3 (-1.46, 0.86)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.5 (-1.90, 0.90)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.05 (-0.17, 0.07)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.05 (-0.23, 0.13)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): Vavg (cm/sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Control (Non-exercise): Health education class 1x/month, 12 weeks	Mean Difference	-0.86 (-1.61, -0.11)	**Yoga**
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	4.3 (3.32, 5.28)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.8 (-1.89, 0.29)	NS
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	3.3 (2.18, 4.42)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.3 (-0.53, -0.07)	**Control (Home-based exercise)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.4 (-0.63, -0.17)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.2 (-0.03, 0.43)	NS
Schenkman, 2012	Moderate	UPDRS II ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.5 (-1.83, -1.17)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.8 (-1.17, -0.43)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-1.9 (-2.27, -1.53)	**Flexibility/Balance/Function exercise**
Yousefi, 2009	Moderate	ADL (Subscale of SPES/SCOPA))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	-1.6 (-2.54, -0.66)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Son, 2018	Moderate	Mobility (30S Chair Stand Test (reps))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	2.28 (0.26, 4.30)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Posture (Shoulder suppleness (cm))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	8.47 (2.06, 14.88)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Walk test (2.45m walk test (sec))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-2.28 (-3.17, -1.39)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Walk test (6MWT (m))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	60.22 (30.62, 89.82)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	ADL (Activities of Daily Living (Mahoney et al))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	2.67 (2.48, 2.86)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Zhu, 2020	High	Balance (BBS)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Gait velocity (Velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Stability (Forward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Table 7776: PICO 4a- Stretching/Flexibility vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Anxiety (HADS (Anxiety))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.25 (-2.49, -0.01)	**Mindfulness Yoga**
Kwok, 2019	High	Anxiety (HADS (Anxiety))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.91 (-3.01, -0.81)	**Mindfulness Yoga**
Kwok, 2019	High	Depression (HADS (Depression))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-1.8 (-2.95, -0.65)	**Mindfulness Yoga**
Kwok, 2019	High	Depression (HADS (Depression))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-2.47 (-3.58, -1.36)	**Mindfulness Yoga**
Walter, 2019	High	Fatigue (PFS-16)	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	-0.24 (-5.74, 5.26)	NS
Cheung, 2018	High	Sleep (PD Sleep Scale)	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	5.9 (2.22, 9.58)	**Hatha yoga program**
Cheung, 2018	High	Cognition (MoCA)	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	0.6 (0.25, 0.95)	**Hatha yoga program**
Cheung, 2018	High	Depression (BDI)	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	0.3 (-0.71, 1.31)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT A)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	2.82 (-2.29, 7.93)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT A)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	5.84 (-1.16, 12.84)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-21.39 (-63.97, 21.19)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	1.37 (-46.45, 49.19)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B:A ratio)	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.61 (-1.51, 0.29)	NS
Vergara-Diaz, 2018	Moderate	Cognition (TMT B:A ratio)	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-0.26 (-1.57, 1.05)	NS
Son, 2018	Moderate	Depression (GDS)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-5.39 (-8.47, -2.31)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Son, 2018	Moderate	Anxiety (STAI (State))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-8.64 (-12.87, -4.41)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Anxiety (STAI (Trait))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-6.92 (-11.69, -2.15)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Anxiety (STAI (Total))	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-15.51 (-24.14, -6.88)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Son, 2018	Moderate	Cognition (Korean-Montreal Cognitive Assessment)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	4.42 (2.29, 6.55)	**Control (Usual care)**
Son, 2018	Moderate	Sleep (PD Sleep Scale)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	-4.01 (-6.48, -1.54)	**Control (Usual care)**
Zhu, 2020	High	Sleep (PD Sleep Scale)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Zhu, 2020	High	Depression (HAM-D)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Zhu, 2020	High	Anxiety (HAM-A)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Zhu, 2020	High	Cognition (MoCA)	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS

Table 7877: PICO 4a- Stretching/Flexibility vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheung, 2018	High	Total GSH ((_x001A_g/mL))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	3.9 (-2.76, 10.56)	NS
Cheung, 2018	High	GSH:GSSG ratio ( )	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-0.7 (-1.31, -0.09)	**Control (Wait-list)**
Cheung, 2018	High	MDA (Malondialdehyde (_x001A_M))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-3.8 (-7.97, 0.37)	NS
Cheung, 2018	High	Activity of intracellular antioxidant enzymes (SOD (U/mL))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-109.8 (-143.56, -76.04)	**Hatha yoga program**
Cheung, 2018	High	Activity of intracellular antioxidant enzymes (Catalase (nmol/mim/mL))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-757 (-3516.92, 2002.92)	NS
Cheung, 2018	High	Protein carbonyl ((nmol/mL))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-2.2 (-4.00, -0.40)	**Hatha yoga program**
Cheung, 2018	High	Activity of intracellular antioxidant enzymes (GPx (nmol/min/mL/mg))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	0.9 (-0.55, 2.35)	NS

Table 7978: PICO 4a- Stretching/Flexibility vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Hardship))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-0.8 (-1.29, -0.31)	**Mindfulness Yoga**
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Hardship))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-0.77 (-1.32, -0.22)	**Mindfulness Yoga**
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Equanimity))	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	0.8 (0.27, 1.33)	**Mindfulness Yoga**
Kwok, 2019	High	Holistic Well-being Scale (Holistic Well-being Scale (Perceived Equanimity))	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	1.03 (0.52, 1.54)	**Mindfulness Yoga**
Kwok, 2019	High	PDQ-8 ( )	.	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-2.09 (-3.72, -0.46)	**Mindfulness Yoga**
Kwok, 2019	High	PDQ-8 ( )	3 mos	Mindfulness Yoga: 90min, 1x/week, 8 weeks	Active Control (Stretching & Resistance training): 1hr, 1x/week, 8 weeks	Mean Difference	-2.74 (-4.46, -1.02)	**Mindfulness Yoga**
Walter, 2019	High	Activities Constraint Scale ( )	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	7.8 (1.13, 14.47)	**Hatha Yoga**
Walter, 2019	High	PDQ-8 ( )	.	Hatha Yoga: 1hr, 2x/week, 8 weeks	Wait- list Control (Usual Care)	Mean Difference	-0.02 (-0.15, 0.11)	NS
Kurt, 2018	High	PDQ-39 ( )	.	Ai Chi exercise: 1hr, 5x/week, 5 weeks	Control (Land-based exercise): 1hr, 5x/week, 5 weeks	Mean Difference	-3 (-10.32, 4.32)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Social and role function))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	2.2 (-1.22, 5.62)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Self-image and sexuality))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-3.9 (-7.41, -0.39)	**Hatha yoga program**
Cheung, 2018	High	PDQUALIF (PDQUALIF (Sleep))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	10.4 (7.59, 13.21)	**Control (Wait-list)**
Cheung, 2018	High	PDQUALIF (PDQUALIF (Outlook))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	10.6 (8.01, 13.19)	**Control (Wait-list)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheung, 2018	High	PDQUALIF (PDQUALIF (Physical functioning))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-2.3 (-5.19, 0.59)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Independence))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	4.6 (0.08, 9.12)	**Control (Wait-list)**
Cheung, 2018	High	PDQUALIF (PDQUALIF (Urinary function))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	3.1 (-1.37, 7.57)	NS
Cheung, 2018	High	PDQUALIF (PDQUALIF (Global))	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-1.3 (-6.96, 4.36)	NS
Vergara-Diaz, 2018	Moderate	PDQ-39 (PDQ-39 (PDSI))	3 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-1.07 (-7.08, 4.94)	NS
Vergara-Diaz, 2018	Moderate	PDQ-39 (PDQ-39 (PDSI))	6 mos	Tai Chi: 2x/week, 6 months; 1hr/week home DVD exercise	Control (Usual care)	Mean Difference	-1.69 (-9.45, 6.07)	NS
Miyahara, 2018	Moderate	PDQ-8 ( )	.	Therapeutic Thai massage: 30min, 2x/week, 3 weeks	Control (Standard medical care): No intervention	Mean Difference	-9.89 (-17.10, -2.68)	**Therapeutic Thai massage**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-6.7 (-12.65, -0.75)	**Power Yoga program**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-2.6 (-4.88, -0.32)	**Power Yoga program**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-1.8 (-4.22, 0.62)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-1.8 (-3.50, -0.10)	**Power Yoga program**
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	0 (-1.13, 1.13)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-0.6 (-1.87, 0.67)	NS
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-0.9 (-2.53, 0.73)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2016	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-1.4 (-3.45, 0.65)	NS
Ni, 2016	Moderate	PDQ-39 ( )	.	Power Yoga program: 2x/week, 12 weeks	Control (Usual care): Non-exercise health education classes 1x/month, 3 months	Mean Difference	-16.7 (-29.56, -3.84)	**Power Yoga program**
Schenkman, 2012	Moderate	PDQ-39 ( )	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	2.1 (1.26, 2.94)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	PDQ-39 ( )	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3.1 (-4.01, -2.19)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-3.8 (-4.80, -2.80)	**Flexibility/Balance/Function exercise**
Yousefi, 2009	Moderate	PDQL (PDQL (Parkinson's symptoms))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	9.6 (2.30, 16.90)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL (Systemic symptoms))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	4.8 (1.83, 7.77)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL (Emotional functioning))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	-0.4 (-3.04, 2.24)	NS
Yousefi, 2009	Moderate	PDQL (PDQL (Social functioning))	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	3.1 (0.50, 5.70)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Yousefi, 2009	Moderate	PDQL (PDQL Total)	1 mos	Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy: 1hr, 4x/week, 10 weeks	Control (Pharmacological therapy): General lectures 4x/week	Mean Difference	19.8 (4.40, 35.20)	**Exercise therapy (Postural, Stretching, and Strengthening) + Pharmacological therapy**
Son, 2018	Moderate	Quality of Life of Patients with Parkinson's Disease (Boer et al) (Scale range?)	.	Mindfulness Meditation-based Complex Exercise Program (MMBCEP): 2hr, 1x/week, 8 weeks	Control (Usual care): Hospital	Mean Difference	14.36 (4.59, 24.13)	**Mindfulness Meditation-based Complex Exercise Program (MMBCEP)**
Zhu, 2020	High	PDQ-39 ( )	.	Tai Chi training & Routine exercise: 40-50min, 5x/wk, 12 weeks	Control (Routine exercise): 40-50min, 5x/wk, 12 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	.	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	PDQ-39 ( )	30 days	Traditional Exercise (stretching, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Table 8079: PICO 4a- Stretching/Flexibility vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cheung, 2018	High	LAPAQ ( )	.	Hatha yoga program: 1hr, 2x/week, 12 weeks	Control (Wait-list)	Mean Difference	-3186 (-3868.22, -2503.78)	**Control (Wait-list)**

Table 8180: PICO 4a- Stretching/Flexibility vs. Control- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0 (-0.19, 0.19)	NS
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.8 (0.61, 0.99)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.3 (0.09, 0.51)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	4 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.2 (0.11, 0.29)	**Control (Home-based exercise)**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	10 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	-0.2 (-0.29, -0.11)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	16 mos	Flexibility/Balance/Function exercise: 3x/week for 4 months, 1x/week for 12 months	Control (Home-based exercise): Session 1x/month for 16 months; encouraged to perform exercises 5-7x/week	Mean Difference	0.1 (0.01, 0.19)	**Control (Home-based exercise)**

Figure 26: Meta-analysis- TUG (post)

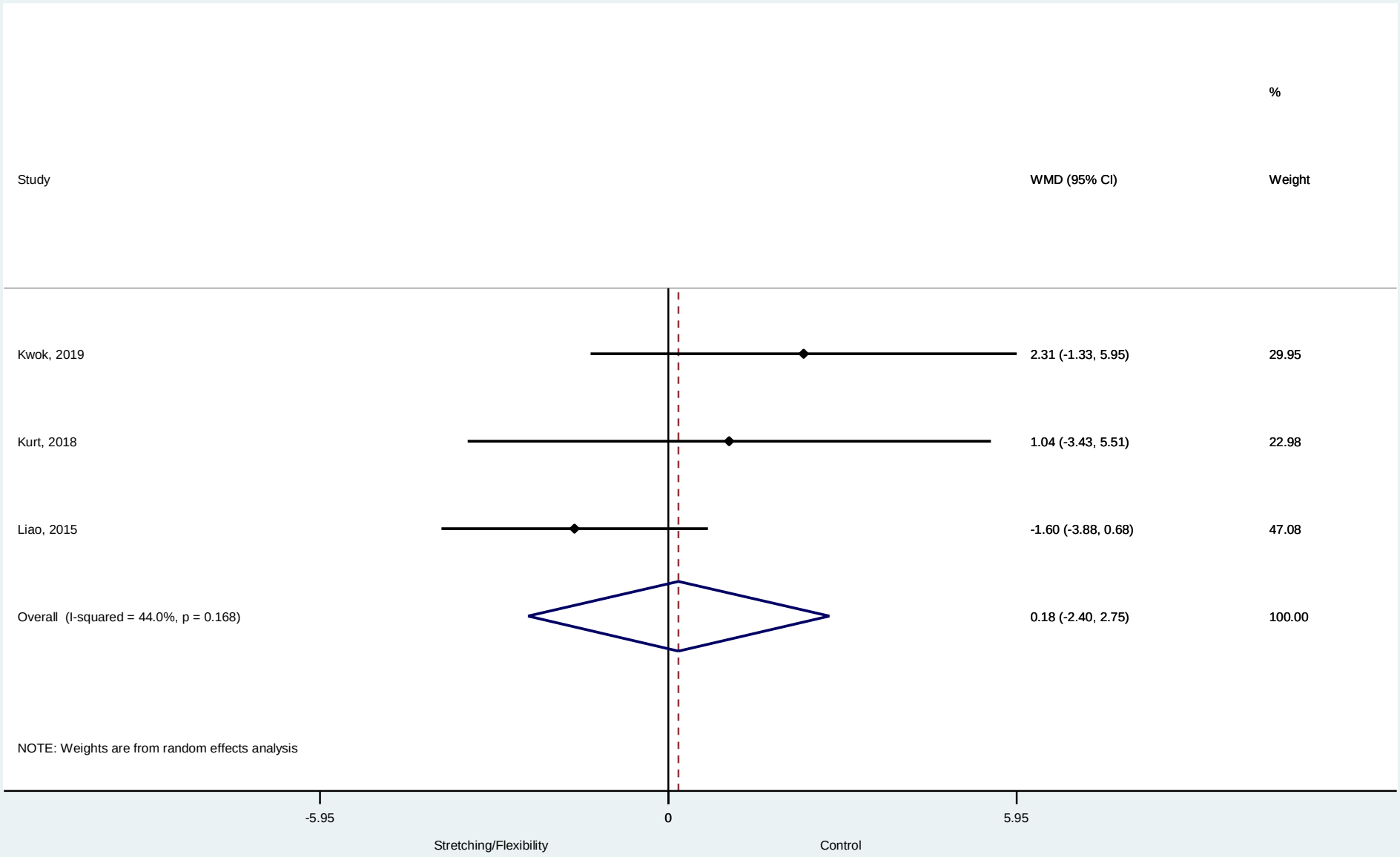

%
Study
WMD (95% CI)
Weight
Kwok, 2019
2.31 (-1.33, 5.95)
29.95
Kurt, 2018
1.04 (-3.43, 5.51)
22.98
Liao, 2015
-1.60 (-3.88, 0.68)
47.08
Overall (I-squared = 44.0%, p = 0.168)
0.18 (-2.40, 2.75)
100.00
NOTE: Weights are from random effects analysis
-5.95
0
5.95
Stretching/Flexibility
Control

Figure 27: Meta-analysis- UPDRS III (post)

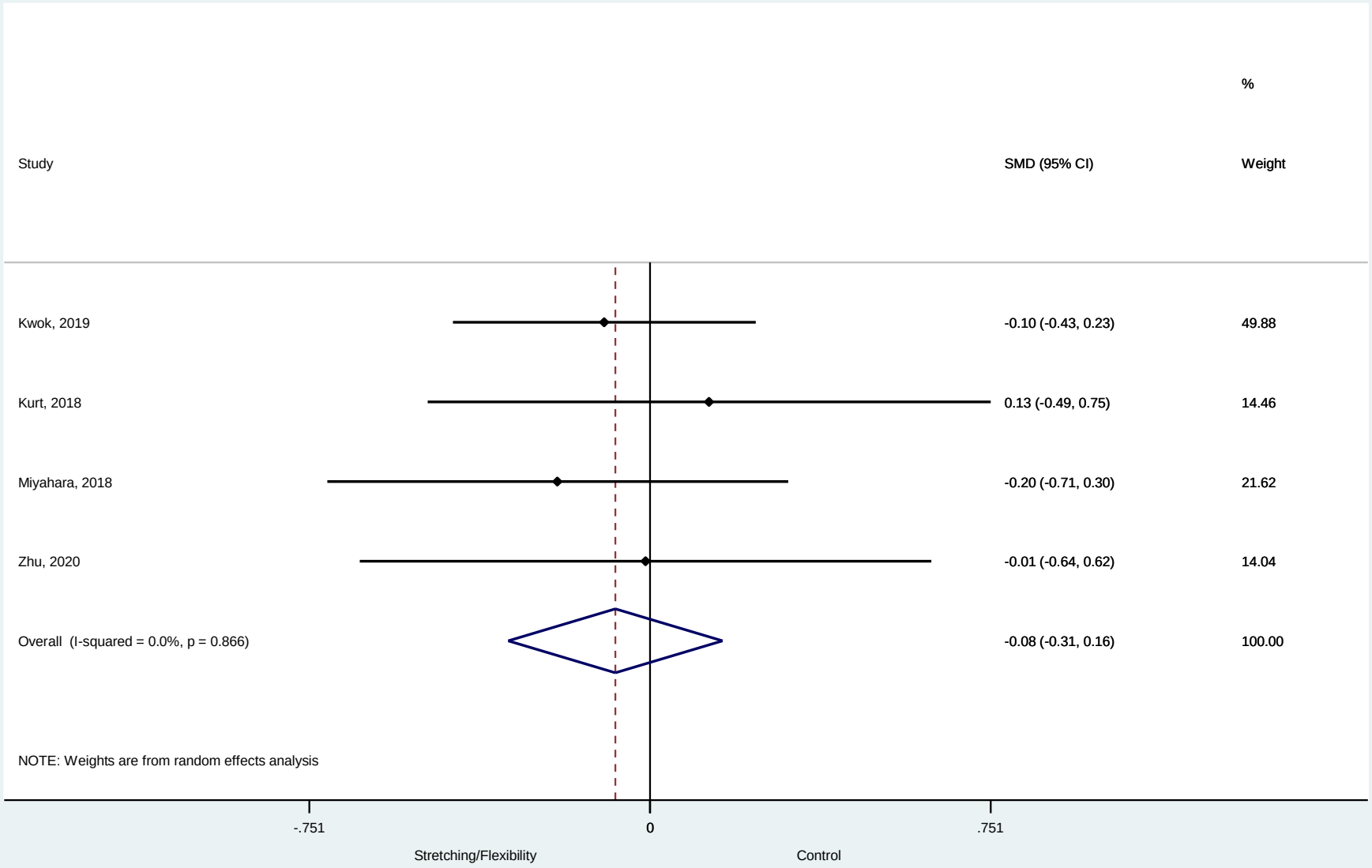


Figure 28: Meta-analysis- PDQ-39 (post)

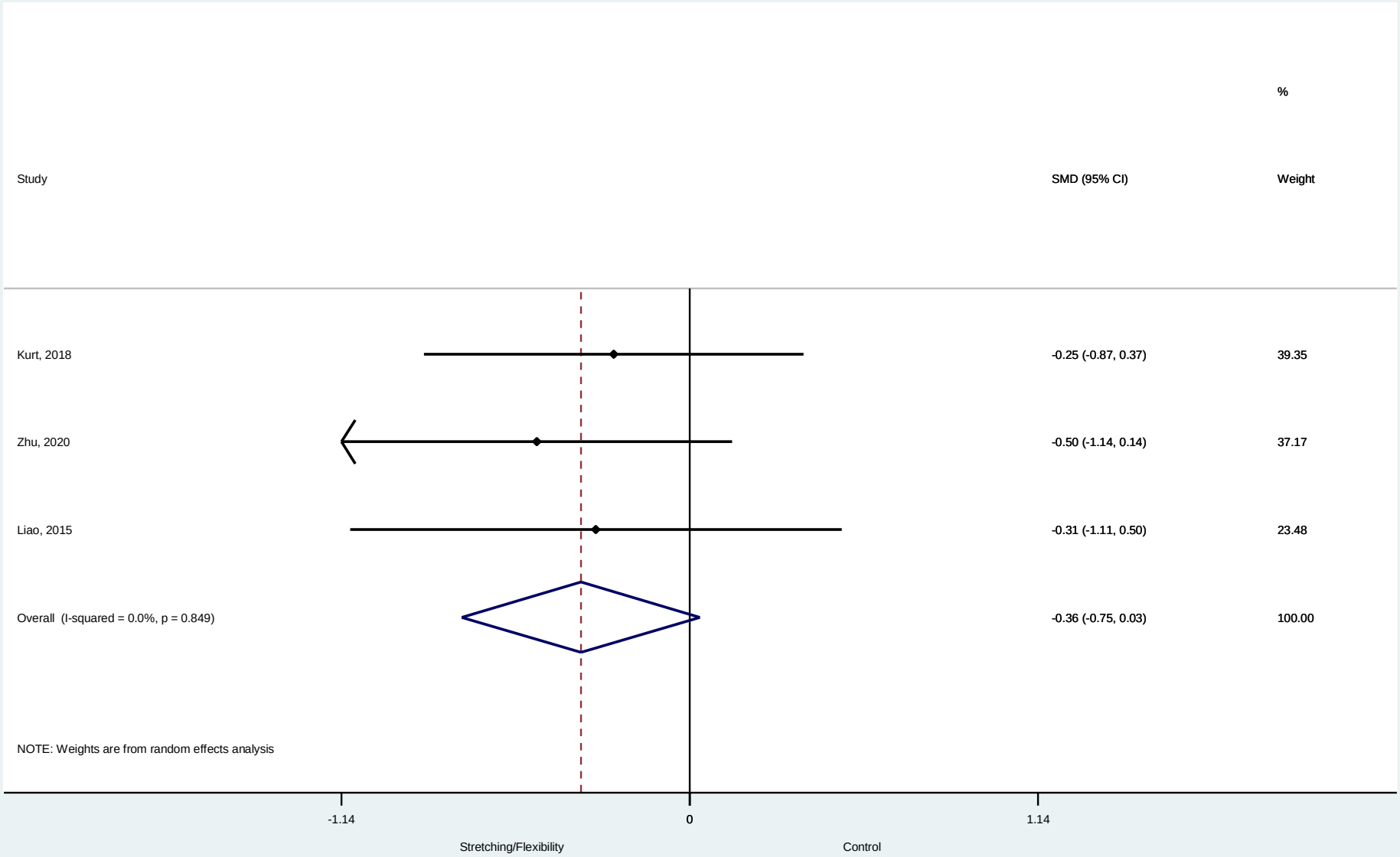


Table 8281: PICO 4b- Stretching/Flexibility vs. Other- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.1 (0.89, 1.31)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.3 (1.09, 1.51)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Intercept))	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.7 (1.47, 1.93)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0 (-0.09, 0.09)	NS
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.1 (-0.19, -0.01)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	VO2 (VO2 (mL/kg/min) (Adjusted slope))	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0 (-0.09, 0.09)	NS

Table 8382: PICO 4b- Stretching/Flexibility vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	UPDRS III ( )	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.2 (-4.06, 3.66)	NS
Schenkman, 2012	Moderate	UPDRS III ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.8 (1.10, 2.50)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.8 (0.07, 1.53)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS III ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.8 (0.98, 2.62)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.7 (0.79, 2.61)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.8 (0.77, 2.83)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS Total ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	1.2 (0.08, 2.32)	**Supervised aerobic exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Li, 2012	High	UPDRS III ( )	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	4.8 (2.71, 6.89)	**Tai Chi**
Li, 2012	High	UPDRS III ( )	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	3.41 (1.23, 5.59)	**Resistance**

Table 8483: PICO 4b- Stretching/Flexibility vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Balance (BBS)	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.2 (-2.53, 2.13)	NS
Ni, 2012	High	Balance (Mini BESTest)	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	0.6 (-0.75, 1.95)	NS
Ni, 2012	High	Mobility (TUG)	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-1 (-2.97, 0.97)	NS
Ni, 2012	High	Balance (Functional Reach Test (more affected side (cm)))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-3.3 (-7.47, 0.87)	NS
Ni, 2012	High	Balance (Functional Reach Test (less affected side (cm)))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-1.5 (-4.64, 1.64)	NS
Ni, 2012	High	Stance duration (SLS more affected side (sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-2.5 (-14.50, 9.50)	NS
Ni, 2012	High	Stance duration (SLS less affected side (sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	5.9 (-14.40, 26.20)	NS
Ni, 2012	High	Walk test (10-MWT (Usual walk speed) (m/s))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	0.02 (-0.11, 0.15)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Walk test (10-MWT (Maximal walk speed) (m/s))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	0.06 (-0.16, 0.28)	NS
Ni, 2012	High	Strength/Power (Leg press (Strength) (kg)/BW (kg))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	0.1 (-0.12, 0.32)	NS
Ni, 2012	High	Strength/Power (Leg press (Peak power) (W)/BW (kg))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.8 (-2.00, 0.40)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): COParea (cm2))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.23 (-0.49, 0.03)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.07 (-1.25, 1.11)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.74 (-1.90, 0.42)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): MLDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.07 (-0.12, -0.02)	**Yoga**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): APDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.02 (-0.14, 0.10)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes open): Vavg (cm/sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.71 (-1.23, -0.19)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): COParea (cm2))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.56 (-0.93, -0.19)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	0.61 (-0.62, 1.84)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDavg (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.89 (-2.03, 0.25)	NS
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): MLDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.1 (-0.17, -0.03)	**Yoga**
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): APDsd (cm))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.13 (-0.24, -0.02)	**Yoga**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ni, 2012	High	Amount of sway (Postural sway (Eyes closed): Vavg (cm/sec))	3 mos	Yoga: 1hr, 2x/week, 12 weeks	Power training: 1hr, 2x/week, 12 weeks	Mean Difference	-0.89 (-1.54, -0.24)	**Yoga**
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	3.1 (2.09, 4.11)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1 (-2.10, 0.10)	NS
Schenkman, 2012	Moderate	Physical performance (CS-PFP)	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	2.4 (1.28, 3.52)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.6 (-0.83, -0.37)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.43, 0.03)	NS
Schenkman, 2012	Moderate	Balance (Functional Reach Test)	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.43, 0.03)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Schenkman, 2012	Moderate	UPDRS II ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.53, 0.13)	NS
Schenkman, 2012	Moderate	UPDRS II ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.9 (0.53, 1.27)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	UPDRS II ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-0.2 (-0.57, 0.17)	NS
Li, 2012	High	Stability (Maximum excursion (%))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-11.68 (-16.83, -6.53)	**Tai Chi**
Li, 2012	High	Stability (Directional control (%))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-11.21 (-17.16, -5.26)	**Tai Chi**
Li, 2012	High	Stride (Stride length)	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-12.3 (-18.98, -5.62)	**Tai Chi**
Li, 2012	High	Gait velocity ( )	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-14.2 (-21.37, -7.03)	**Tai Chi**
Li, 2012	High	Strength/Power (Peak toque knee extension (nm))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-13.6 (-25.62, -1.58)	**Tai Chi**
Li, 2012	High	Strength/Power (Peak toque knee flexion (nm))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-7.7 (-14.10, -1.30)	**Tai Chi**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Li, 2012	High	Balance (Functional Reach Test)	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	-4.4 (-6.62, -2.18)	**Tai Chi**
Li, 2012	High	Mobility (TUG)	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Tai Chi: 1hr, 2x/week, 24 weeks	Mean Difference	1.12 (0.06, 2.18)	**Tai Chi**
Li, 2012	High	Stability (Maximum excursion (%))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-6.09 (-12.10, -0.08)	**Resistance**
Li, 2012	High	Stability (Directional control (%))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-0.13 (-7.77, 7.51)	NS
Li, 2012	High	Stride (Stride length)	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-5.2 (-11.95, 1.55)	NS
Li, 2012	High	Gait velocity ( )	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-12.7 (-20.33, -5.07)	**Resistance**
Li, 2012	High	Strength/Power (Peak toque knee extension (nm))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-11.7 (-24.07, 0.67)	NS
Li, 2012	High	Strength/Power (Peak toque knee flexion (nm))	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-8 (-14.21, -1.79)	**Resistance**
Li, 2012	High	Balance (Functional Reach Test)	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	-1.6 (-3.98, 0.78)	NS
Li, 2012	High	Mobility (TUG)	6 mos	Stretching: 1hr, 2x/week, 24 weeks	Resistance: 1hr, 2x/week, 24 weeks	Mean Difference	0.72 (-0.33, 1.77)	NS

Table 8584: PICO 4b- Stretching/Flexibility vs. Other- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Li, 2014	Moderate	PDQ-8 ( )	6 mos	Stretching: 1hr, 2x/week, 6 months	Tai Chi: 1hr, 2x/week, 6 months	Mean Difference	9.62 (4.94, 14.30)	**Tai Chi**
Li, 2014	Moderate	Satisfaction (Vitality Plus Scale)	6 mos	Stretching: 1hr, 2x/week, 6 months	Tai Chi: 1hr, 2x/week, 6 months	Mean Difference	-2.58 (-4.84, -0.32)	**Tai Chi**
Li, 2014	Moderate	PDQ-8 ( )	6 mos	Stretching: 1hr, 2x/week, 6 months	Resistance training: 1hr, 2x/week, 6 months	Mean Difference	3.71 (-1.17, 8.59)	NS
Li, 2014	Moderate	Satisfaction (Vitality Plus Scale)	6 mos	Stretching: 1hr, 2x/week, 6 months	Resistance training: 1hr, 2x/week, 6 months	Mean Difference	-1.98 (-4.23, 0.27)	NS
Schenkman, 2012	Moderate	PDQ-39 ( )	4 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	3.9 (3.06, 4.74)	**Supervised aerobic exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	10 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	-1.1 (-2.01, -0.19)	**Flexibility/Balance/Function exercise**
Schenkman, 2012	Moderate	PDQ-39 ( )	16 mos	Flexibility/Balance/ Function exercise: 3x/week for 4 months, 1x/week for 12 months	Supervised aerobic exercise: 3x/week for 4 months, 1x/week for 12 months	Mean Difference	0.1 (-0.93, 1.13)	NS

Table 8685: PICO 4c- Stretching/Flexibility vs. Stretching/Flexibility- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2017	High	HeCR (Home exercise compliance rate) ( )	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	13.67 (2.62, 24.72)	**Group-based Tai Chi training**

Table 8786: PICO 4c- Stretching/Flexibility vs. Stretching/Flexibility- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2017	High	Pain (Likert pain scale)	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	0.8 (-1.19, 2.79)	NS
Volpe, 2017	High	Pain (Likert pain scale)	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	0.8 (-1.44, 3.04)	NS

Table 8887: PICO 4c- Stretching/Flexibility vs. Stretching/Flexibility- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2017	High	UPDRS III ( )	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	1.8 (-6.35, 9.95)	NS
Volpe, 2017	High	UPDRS III ( )	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	2 (-5.46, 9.46)	NS

Table 8988: PICO 4c- Stretching/Flexibility vs. Stretching/Flexibility- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2017	High	Balance (BAK (Body Analysis Kapture)- Cervical (mm))	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-12.5 (-56.95, 31.95)	NS
Volpe, 2017	High	Balance (BAK (Body Analysis Kapture)- Cervical (mm))	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	11.9 (-42.97, 66.77)	NS
Volpe, 2017	High	Balance (BAK (Body Analysis Kapture)- Dorsal (mm))	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-8.1 (-27.78, 11.58)	NS
Volpe, 2017	High	Balance (BAK (Body Analysis Kapture)- Dorsal (mm))	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	0.5 (-21.83, 22.83)	NS
Volpe, 2017	High	Posture (Shoulder symmetry (°))	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-1 (-3.05, 1.05)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2017	High	Posture (Shoulder symmetry (°))	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	0.9 (-1.97, 3.77)	NS
Volpe, 2017	High	Posture (Pelvic symmetry (°))	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-0.2 (-2.69, 2.29)	NS
Volpe, 2017	High	Posture (Pelvic symmetry (°))	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-0.3 (-3.32, 2.72)	NS
Volpe, 2017	High	Balance (BBS)	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	1 (-2.92, 4.92)	NS
Volpe, 2017	High	Balance (BBS)	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	4.2 (-0.73, 9.13)	NS
Volpe, 2017	High	Balance (ABC)	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-3.4 (-19.53, 12.73)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2017	High	Balance (ABC)	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-1.3 (-19.61, 17.01)	NS
Volpe, 2017	High	Mobility (TUG)	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-0.1 (-1.84, 1.64)	NS
Volpe, 2017	High	Mobility (TUG)	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	0 (-1.93, 1.93)	NS
Volpe, 2017	High	Fall Fear/Risk (FES)	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-3.7 (-8.84, 1.44)	NS
Volpe, 2017	High	Fall Fear/Risk (FES)	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-3.8 (-9.75, 2.15)	NS

Table 9089: PICO 4c- Stretching/Flexibility vs. Stretching/Flexibility- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2017	High	Non-motor symptoms questionnaire ( )	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	-10.86 (-25.03, 3.31)	NS
Yang, 2017	High	Sleep (PDSS)	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	3.04 (-9.05, 15.13)	NS
Yang, 2017	High	Depression (HAM-D)	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	-0.13 (-2.35, 2.09)	NS
Yang, 2017	High	Cognition (MoCA-BJ)	13 wks	Group-based Tai Chi training: 40-45min, 3/week, 13 weeks	Individual-based Tai Chi training: 40-45min, 3/week, 13 weeks	Mean Difference	0.31 (-1.44, 2.06)	NS

Table 9190: PICO 4c- Stretching/Flexibility vs. Stretching/Flexibility- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Volpe, 2017	High	PDQ-39 ( )	8 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-7.1 (-23.08, 8.88)	NS
Volpe, 2017	High	PDQ-39 ( )	16 wks	Water-based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Non-water based physiotherapy (Intensive training program for posture): 1hr, 5x/week, 8 weeks	Mean Difference	-22.9 (-39.05, -6.75)	**Water-based physiotherapy (Intensive training program for posture)**

PICO 5

Table 9291: PICO 5a- External cueing vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Costa-Ribeiro, 2017	High	UPDRS III ( )	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	2.8 (-0.75, 6.35)	NS
Costa-Ribeiro, 2017	High	UPDRS III ( )	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	0 (-4.53, 4.53)	NS
Costa-Ribeiro, 2017	High	UPDRS III (UPDRS III (Bradykinesia))	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	0.5 (-0.93, 1.93)	NS
Costa-Ribeiro, 2017	High	UPDRS III (UPDRS III (Bradykinesia))	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	-0.5 (-2.89, 1.89)	NS
De Icco, 2015	High	UPDRS III (MDS-UPDRS III)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-3.7 (-9.75, 2.35)	NS
De Icco, 2015	High	UPDRS III (MDS-UPDRS III)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	1.2 (-4.96, 7.36)	NS
De Icco, 2015	High	UPDRS III (MDS-UPDRS III)	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-5.8 (-9.51, -2.09)	**Visual group (Gait training with visual cues)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Icco, 2015	High	UPDRS III (MDS-UPDRS III)	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-1.6 (-7.57, 4.37)	NS

Table 9392: PICO 5a- External cueing vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Costa-Ribeiro, 2017	High	Gait velocity (Velocity)	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	0 (-0.21, 0.21)	NS
Costa-Ribeiro, 2017	High	Gait velocity (Velocity)	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	-0.02 (-0.27, 0.23)	NS
Costa-Ribeiro, 2017	High	Step (Cadence)	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	3.4 (-8.34, 15.14)	NS
Costa-Ribeiro, 2017	High	Step (Cadence)	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	1 (-11.17, 13.17)	NS
Costa-Ribeiro, 2017	High	Stride (Stride length)	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	5.4 (-5.33, 16.13)	NS
Costa-Ribeiro, 2017	High	Stride (Stride length)	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	6.9 (-10.94, 24.74)	NS
Costa-Ribeiro, 2017	High	Mobility (TUG)	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	1.2 (-2.25, 4.65)	NS
Costa-Ribeiro, 2017	High	Mobility (TUG)	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	-2 (-9.43, 5.43)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Costa-Ribeiro, 2017	High	Hand/UE dexterity (Upper Limb Motor Task (sec))	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	10.8 (-5.47, 27.07)	NS
Costa-Ribeiro, 2017	High	Hand/UE dexterity (Upper Limb Motor Task (sec))	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	7.2 (-3.42, 17.82)	NS
Costa-Ribeiro, 2017	High	Balance (BBS)	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	-0.9 (-2.75, 0.95)	NS
Costa-Ribeiro, 2017	High	Balance (BBS)	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	0.1 (-2.20, 2.40)	NS
De Icco, 2015	High	Stride (Number of strides)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-0.6 (-2.32, 1.12)	NS
De Icco, 2015	High	Stride (Number of strides)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-0.4 (-3.08, 2.28)	NS
De Icco, 2015	High	Stride (Stride time)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-105.8 (-294.75, 83.15)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Icco, 2015	High	Stride (Stride time)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-9.2 (-171.55, 153.15)	NS
De Icco, 2015	High	Stride (Stride length)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	2.8 (-7.62, 13.22)	NS
De Icco, 2015	High	Stride (Stride length)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-1.8 (-14.16, 10.56)	NS
De Icco, 2015	High	Stance duration (Stance (% of stride))	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	1.4 (-1.88, 4.68)	NS
De Icco, 2015	High	Stance duration (Stance (% of stride))	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	7.2 (2.59, 11.81)	**Control (Overground training without cues)**
De Icco, 2015	High	Swing (Swing (% of stride))	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-2.6 (-6.29, 1.09)	NS
De Icco, 2015	High	Swing (Swing (% of stride))	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-6.6 (-12.15, -1.05)	**Control (Overground training without cues)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Icco, 2015	High	Gait speed (Speed (m/s))	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	0.03 (-0.18, 0.24)	NS
De Icco, 2015	High	Gait speed (Speed (m/s))	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	0.02 (-0.32, 0.36)	NS
De Icco, 2015	High	ADL (FIM)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	4 (-4.25, 12.25)	NS
De Icco, 2015	High	ADL (FIM)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	0.9 (-8.19, 9.99)	NS
De Icco, 2015	High	Stride (Number of strides)	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-1.6 (-3.12, -0.08)	**Visual group (Gait training with visual cues)**
De Icco, 2015	High	Stride (Number of strides)	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-0.3 (-2.37, 1.77)	NS
De Icco, 2015	High	Stride (Stride time)	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-18.9 (-207.70, 169.90)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Icco, 2015	High	Stride (Stride time)	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	82.4 (-71.76, 236.56)	NS
De Icco, 2015	High	Stride (Stride length)	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-9.9 (-29.20, 9.40)	NS
De Icco, 2015	High	Stride (Stride length)	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-9.2 (-23.55, 5.15)	NS
De Icco, 2015	High	Stance duration (Stance (% of stride))	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-6.2 (-9.80, -2.60)	**Visual group (Gait training with visual cues)**
De Icco, 2015	High	Stance duration (Stance (% of stride))	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	3.1 (-0.25, 6.45)	NS
De Icco, 2015	High	Swing (Swing (% of stride))	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	5.5 (2.11, 8.89)	**Visual group (Gait training with visual cues)**
De Icco, 2015	High	Swing (Swing (% of stride))	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-2.4 (-5.64, 0.84)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Icco, 2015	High	Gait speed (Speed (m/s))	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-0.03 (-0.20, 0.14)	NS
De Icco, 2015	High	Gait speed (Speed (m/s))	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	-0.01 (-0.46, 0.44)	NS
De Icco, 2015	High	ADL (FIM)	.	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	3.8 (-5.05, 12.65)	NS
De Icco, 2015	High	ADL (FIM)	3 mos	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Control (Overground training without cues): 20 min, 5x/week, 4 weeks	Mean Difference	2.1 (-6.69, 10.89)	NS
El Tamawy, 2012	High	Step (Cadence)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	8.4 (5.55, 11.25)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El Tamawy, 2012	High	Stride (Stride length)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.14 (0.10, 0.18)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	Gait speed (Walking speed)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.32 (0.25, 0.39)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	Walk test (Walking distance)	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.163 (-0.23, 0.55)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El Tamawy, 2012	High	ROM (Hip flexion: Initial contact (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	3.3 (2.61, 3.99)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Hip flexion: Mid stance (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	-1.4 (-2.17, -0.63)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El Tamawy, 2012	High	ROM (Hip flexion: Mid swing (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	5.8 (4.94, 6.66)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Knee flexion: Initial contact (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	-1.1 (-1.54, -0.66)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El Tamawy, 2012	High	ROM (Knee flexion: Mid stance (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	-1.4 (-1.88, -0.92)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Knee flexion: Mid swing (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	4.9 (2.88, 6.92)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
El Tamawy, 2012	High	ROM (Ankle dorsiflexion: Initial contact (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	0.8 (0.40, 1.20)	**Control (Routine Physiotherapy Program)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El Tamawy, 2012	High	ROM (Ankle dorsiflexion: Mid stance (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	1.9 (1.32, 2.48)	**Control (Routine Physiotherapy Program)**
El Tamawy, 2012	High	ROM (Ankle dorsiflexion: Mid swing (°))	.	Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program: 51-70min, 3x/week, 8 weeks	Control (Routine Physiotherapy Program): 45min, 3x/week, 8 weeks	Mean Difference	1.2 (0.80, 1.60)	**Treadmill training with vibratory stimuli to feet plantar surfaces and PNF (proprioceptive neuromuscular facilitation) + Routine Physiotherapy Program**
Yang, 2016	Moderate	Mobility (Single Task- Foot clearance (cm))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	2.42 (1.76, 3.08)	**Clock-turn group**
Yang, 2016	Moderate	Mobility (Dual Task- Foot clearance (cm))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	1.47 (1.17, 1.77)	**Clock-turn group**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2016	Moderate	Step (Single Task- Step time variability)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-0.18 (-0.23, -0.13)	**Clock-turn group**
Yang, 2016	Moderate	Step (Dual Task- Step time variability)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-0.18 (-0.30, -0.06)	**Clock-turn group**
Yang, 2016	Moderate	Step (Single Task- Step asymmetry)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-11.68 (-17.36, -6.00)	**Clock-turn group**
Yang, 2016	Moderate	Step (Dual Task- Step asymmetry)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-10.96 (-16.67, -5.25)	**Clock-turn group**
Yang, 2016	Moderate	Turning (Single Task- Turning time (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-2.18 (-4.21, -0.15)	**Clock-turn group**
Yang, 2016	Moderate	Turning (Dual Task- Turning time (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-0.93 (-2.66, 0.80)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2016	Moderate	Turning (Single Task- Number of turning steps)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-1.77 (-4.22, 0.68)	NS
Yang, 2016	Moderate	Turning (Dual Task- Number of turning steps)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-1.13 (-3.86, 1.60)	NS
Yang, 2016	Moderate	FOG (Single Task- FOG number)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	
Yang, 2016	Moderate	FOG (Dual Task- FOG number)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Yang, 2016	Moderate	FOG (Single Task- FOG duration)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	
Yang, 2016	Moderate	FOG (Dual Task- FOG duration)	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Author Reported - ANOVA, one p-val for both single and dual task outcomes	N/A	
Yang, 2016	Moderate	Mobility (Single Task- TUG (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-3.7 (-8.46, 1.06)	NS
Yang, 2016	Moderate	Mobility (Dual Task- TUG (sec))	.	Clock-turn group: Successful completion of 4/5 practice trials prior to experimental trials	Control (Usual-turn group): 5 practice trials	Mean Difference	-2.97 (-7.72, 1.78)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Mak, 2008	Moderate	Gait velocity (Peak horizontal velocity (m/s))	.	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak horizontal velocity (m/s))	2 wks	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak vertical velocity (m/s))	.	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak vertical velocity (m/s))	2 wks	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Mobility (Movement time (sec))	.	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Mak, 2008	Moderate	Mobility (Movement time (sec))	2 wks	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Control (No treatment)	Author Reported	N/A	NS
Chang, 2019	High	Step (Stepping CV (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chang, 2019	High	Walk test (Walking CV (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Gait speed (Speed (m/s))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Step (Cadence)	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Stride (Stride length)	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Step (Freezers-Stepping CV (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chang, 2019	High	Walk test (Freezers-Walking CV (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Step (Nonfreezers-Stepping CV (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Walk test (Nonfreezers-Walking CV (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Akre, 2019	Moderate	FOG ( )	.	Rhythmic auditory cueing ("Auditory Application" from Google playstore) with Conventional gait training: 45min, 2x/wk, 5 weeks	Control (Conventional gait training alone): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Akre, 2019	Moderate	Self-efficacy (Modified Gait Efficacy Scale (MGES))	.	Rhythmic auditory cueing ("Auditory Application" from Google playstore) with Conventional gait training: 45min, 2x/wk, 5 weeks	Control (Conventional gait training alone): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Akre, 2019	Moderate	Walk test (Figure of 8 Walk Test (Time))	.	Rhythmic auditory cueing ("Auditory Application" from Google playstore) with Conventional gait training: 45min, 2x/wk, 5 weeks	Control (Conventional gait training alone): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Akre, 2019	Moderate	Walk test (Figure of 8 Walk Test (No. of steps))	.	Rhythmic auditory cueing ("Auditory Application" from Google playstore) with Conventional gait training: 45min, 2x/wk, 5 weeks	Control (Conventional gait training alone): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Akre, 2019	Moderate	Walk test (Figure of 8 Walk Test (Markers))	.	Rhythmic auditory cueing ("Auditory Application" from Google playstore) with Conventional gait training: 45min, 2x/wk, 5 weeks	Control (Conventional gait training alone): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS

Table 9493: PICO 5a- External cueing vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chang, 2019	High	Cortical excitability (Resting motor threshold (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Motor evoked potential (µV))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Active motor evoked potential (µV))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Cortical silent period (ms))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Freezers-Resting motor threshold (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chang, 2019	High	Cortical excitability (Freezers-Motor evoked potential (µV))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Freezers-Active motor evoked potential (µV))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Freezers-Cortical silent period (ms))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Nonfreezers-Resting motor threshold (%))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Nonfreezers-Motor evoked potential (µV))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chang, 2019	High	Cortical excitability (Nonfreezers-Active motor evoked potential (µV))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS
Chang, 2019	High	Cortical excitability (Nonfreezers-Cortical silent period (ms))	.	Stepping in place training with Auditory cues (AC condition): Auditory cue at 110% of usual cadence	Control (Stepping in place training without Auditory cues (NC condition))	Author Reported	N/A	NS

Table 9594: PICO 5a- External cueing vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Costa-Ribeiro, 2017	High	PDQ-39 ( )	.	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	2 (-5.38, 9.38)	NS
Costa-Ribeiro, 2017	High	PDQ-39 ( )	1 mos	tDCS with Cueing gait training: 10 sessions, 4 weeks	Sham tDCS with Cueing gait training: 10 sessions, 4 weeks	Mean Difference	0.9 (-5.63, 7.43)	NS

Table 9695: PICO 5b- External cueing vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	UPDRS Total ( )	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-4 (-7.70, -0.30)	**RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3)**
Pacchetti, 2000	Moderate	UPDRS III ( )	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS
Pacchetti, 2000	Moderate	UPDRS III (UPDRS III (Bradykinesia))	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS
Pacchetti, 2000	Moderate	UPDRS III (UPDRS III (Rigidity))	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS
Pacchetti, 2000	Moderate	UPDRS III (UPDRS III (Resting Tremor))	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS
Pacchetti, 2000	Moderate	UPDRS III (UPDRS III (Postural Tremor))	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS

Table 9796: PICO 5b- External cueing vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	Walk test (10MWT time)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	0.2 (-2.31, 2.71)	NS
Calabro, 2019	Moderate	Balance (BBS)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	1 (-3.47, 5.47)	NS
Calabro, 2019	Moderate	Fall Fear/Risk (FES)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-3 (-7.99, 1.99)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	Gait assessment (FGA)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	2 (0.89, 3.11)	**RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3)**
Calabro, 2019	Moderate	Mobility (TUG)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-1 (-5.47, 3.47)	NS
Calabro, 2019	Moderate	Gait assessment (GQI (Gait Quality Index) (%))	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	5 (-0.27, 10.27)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	SSR (stance-swing) (ratio) ( )	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	0.1 (-0.01, 0.21)	NS
Calabro, 2019	Moderate	SSR (stance-swing) (ratio) (Step cadence (Hz))	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-0.1 (-0.21, 0.01)	NS
Calabro, 2019	Moderate	Stride (Stride length)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	3 (-0.06, 6.06)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	Gait speed (Gait cycle duration (sec))	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-0.02 (-0.13, 0.09)	NS
Calabro, 2019	Moderate	Gait speed ( )	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	0.1 (0.04, 0.16)	**RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3)**
Mak, 2008	Moderate	Gait velocity (Peak horizontal velocity (m/s))	.	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Conventional exercise (Mobility and stengthening exercises): 45min, 2x/week, 4 weeks	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak horizontal velocity (m/s))	2 wks	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Conventional exercise (Mobility and stengthening exercises): 45min, 2x/week, 4 weeks	Author Reported	N/A	NS
Mak, 2008	Moderate	Gait velocity (Peak vertical velocity (m/s))	.	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Conventional exercise (Mobility and stengthening exercises): 45min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Mak, 2008	Moderate	Gait velocity (Peak vertical velocity (m/s))	2 wks	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Conventional exercise (Mobility and stengthening exercises): 45min, 2x/week, 4 weeks	Author Reported	N/A	NS
Mak, 2008	Moderate	Mobility (Movement time (sec))	.	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Conventional exercise (Mobility and stengthening exercises): 45min, 2x/week, 4 weeks	Author Reported	N/A	NS
Mak, 2008	Moderate	Mobility (Movement time (sec))	2 wks	Audio-Visual (AV) cued Sit-to-Stand training: 20min, 3x/week, 4 weeks	Conventional exercise (Mobility and stengthening exercises): 45min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pacchetti, 2000	Moderate	UPDRS II ( )	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS
Chaiwanichsiri, 2011	Moderate	Step (Step length)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	7.4 (0.65, 14.15)	**Treadmill with music & Home walking**
Chaiwanichsiri, 2011	Moderate	Step (Step length)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	6.5 (1.15, 11.85)	**Treadmill with music & Home walking**
Chaiwanichsiri, 2011	Moderate	Stride (Stride length)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	14.9 (1.27, 28.53)	**Treadmill with music & Home walking**
Chaiwanichsiri, 2011	Moderate	Stride (Stride length)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	13.6 (2.28, 24.92)	**Treadmill with music & Home walking**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chaiwanichsiri, 2011	Moderate	Step (Cadence)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	1.5 (-6.74, 9.74)	NS
Chaiwanichsiri, 2011	Moderate	Step (Cadence)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	3.4 (-6.78, 13.58)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (sec))	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.7 (-1.24, -0.16)	**Treadmill with music & Home walking**
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (sec))	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.4 (-0.79, -0.01)	**Treadmill with music & Home walking**
Chaiwanichsiri, 2011	Moderate	Gait speed (Speed (m/s))	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	0.12 (-0.01, 0.25)	NS
Chaiwanichsiri, 2011	Moderate	Gait speed (Speed (m/s))	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	0.22 (-0.03, 0.47)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (m))	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-2.3 (-80.00, 75.40)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (m))	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	7.9 (-63.40, 79.20)	NS
Chaiwanichsiri, 2011	Moderate	Mobility (TUG)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-1.8 (-3.17, -0.43)	**Treadmill with music & Home walking**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chaiwanichsiri, 2011	Moderate	Mobility (TUG)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-1.5 (-3.07, 0.07)	NS
Chaiwanichsiri, 2011	Moderate	Step (Step length)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	2.4 (-6.54, 11.34)	NS
Chaiwanichsiri, 2011	Moderate	Step (Step length)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	3.9 (-2.79, 10.59)	NS
Chaiwanichsiri, 2011	Moderate	Stride (Stride length)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	4.9 (-13.14, 22.94)	NS
Chaiwanichsiri, 2011	Moderate	Stride (Stride length)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	7.6 (-5.67, 20.87)	NS
Chaiwanichsiri, 2011	Moderate	Step (Cadence)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	1 (-10.07, 12.07)	NS
Chaiwanichsiri, 2011	Moderate	Step (Cadence)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	5.3 (-5.39, 15.99)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (sec))	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.4 (-1.07, 0.27)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (sec))	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.3 (-0.78, 0.18)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chaiwanichsiri, 2011	Moderate	Gait speed (Speed (m/s))	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	0.02 (-0.15, 0.19)	NS
Chaiwanichsiri, 2011	Moderate	Gait speed (Speed (m/s))	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	0.09 (-0.03, 0.21)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (m))	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-6 (-73.34, 61.34)	NS
Chaiwanichsiri, 2011	Moderate	Walk test (6MWT (m))	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	20.3 (-43.56, 84.16)	NS
Chaiwanichsiri, 2011	Moderate	Mobility (TUG)	4 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-0.8 (-2.17, 0.57)	NS
Chaiwanichsiri, 2011	Moderate	Mobility (TUG)	8 wks	Treadmill with music & Home walking: 30min, 6x/week, 8 weeks	Treadmill & Home walking: 30min, 6x/week, 8 weeks	Mean Difference	-1 (-2.05, 0.05)	NS
Harro, 2014	High	Gait speed (Comfortable gait speed (m/s))	.	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS
Harro, 2014	High	Gait speed (Fast gait speed (m/s))	.	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Harro, 2014	High	Walk test (6MWT (m))	.	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS
Harro, 2014	High	Gait assessment (FGA)	.	Rhythmic Auditory-Cued Overground Walking (RAC): 30min, 3x/week, 6 weeks	Speed-Dependent Treadmill Training (SDTT): 30min, 3x/week, 6 weeks	Author Reported - T test	N/A	NS

Table 9897: PICO 5b- External cueing vs. Other- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pacchetti, 2000	Moderate	Happiness Measure Part I ( )	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS

Table 9998: PICO 5b- External cueing vs. Other- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pacchetti, 2000	Moderate	PDQL (PDQL Total)	2 mos	Active Music Therapy: 2hrs, 1x/week, 13 weeks	Physical Therapy: 1.5hrs, 1x/week, 13 weeks	Author Reported - MWU test	N/A	NS

Table 10099: PICO 5c- External cueing vs. External cueing- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murgia, 2018	High	UPDRS III ( )	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-3.72 (-9.38, 1.94)	NS
Murgia, 2018	High	UPDRS III ( )	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-2.25 (-7.01, 2.51)	NS
De Icco, 2015	High	UPDRS III (MDS-UPDRS III)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	2.1 (-4.03, 8.23)	NS
De Icco, 2015	High	UPDRS III (MDS-UPDRS III)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	2.8 (-4.31, 9.91)	NS
Nieuwboer, 2007	High	UPDRS III (UPDRS III (Posture and Gait))	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	**Cueing training favored over No training**

Table 101100: PICO 5c- External cueing vs. External cueing- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murgia, 2018	High	Gait speed ( )	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.1 (-0.07, 0.27)	NS
Murgia, 2018	High	Gait speed ( )	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.09 (-0.09, 0.27)	NS
Murgia, 2018	High	Step (Cadence)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	7.87 (0.75, 14.99)	**Ecological rhythmic auditory stimulation**
Murgia, 2018	High	Step (Cadence)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	6.99 (-1.19, 15.17)	NS
Murgia, 2018	High	Stride (Stride length)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.04 (-0.09, 0.17)	NS
Murgia, 2018	High	Stride (Stride length)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.03 (-0.10, 0.16)	NS
Murgia, 2018	High	Step (Step length)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.02 (-0.05, 0.09)	NS
Murgia, 2018	High	Step (Step length)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.01 (-0.06, 0.08)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murgia, 2018	High	Step (Step width)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.01 (-0.01, 0.03)	NS
Murgia, 2018	High	Step (Step width)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0 (-0.01, 0.01)	NS
Murgia, 2018	High	Stance duration (Stance time (% of gait cycle))	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.73 (-2.17, 0.71)	NS
Murgia, 2018	High	Stance duration (Stance time (% of gait cycle))	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.14 (-1.55, 1.27)	NS
Murgia, 2018	High	Swing (Swing phase (% of gait cycle))	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.79 (-0.63, 2.21)	NS
Murgia, 2018	High	Swing (Swing phase (% of gait cycle))	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.55 (-1.04, 2.14)	NS
Murgia, 2018	High	Double support (Double support (% gait cycle))	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.62 (-2.30, 1.06)	NS
Murgia, 2018	High	Double support (Double support (% gait cycle))	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.74 (-2.33, 0.85)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murgia, 2018	High	ADL (FIM)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	5.37 (-0.21, 10.95)	NS
Murgia, 2018	High	ADL (FIM)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	4.87 (-0.51, 10.25)	NS
Murgia, 2018	High	Tinetti Assessment Tool (TAT) ( )	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.28 (-0.14, 0.70)	NS
Murgia, 2018	High	Tinetti Assessment Tool (TAT) ( )	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.05 (-0.44, 0.34)	NS
Murgia, 2018	High	Physical performance (SPPB)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.12 (-0.29, 0.53)	NS
Murgia, 2018	High	Physical performance (SPPB)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.18 (-0.20, 0.56)	NS
Murgia, 2018	High	Physical performance (SPPB (4m test) (sec))	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.05 (-0.26, 0.16)	NS
Murgia, 2018	High	Physical performance (SPPB (4m test) (sec))	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.08 (-0.16, 0.32)	NS
Murgia, 2018	High	Physical performance (SPPB (STS) (sec))	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.04 (-0.80, 0.88)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murgia, 2018	High	Physical performance (SPPB (STS) (sec))	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.3 (-1.26, 0.66)	NS
Murgia, 2018	High	Fall Fear/Risk (FES)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-1.22 (-3.38, 0.94)	NS
Murgia, 2018	High	Fall Fear/Risk (FES)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-1.29 (-3.39, 0.81)	NS
Murgia, 2018	High	Balance (ABC)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	1.42 (-4.22, 7.06)	NS
Murgia, 2018	High	Balance (ABC)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	1.26 (-4.67, 7.19)	NS
Murgia, 2018	High	FOG ( )	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.12 (-2.71, 2.47)	NS
Murgia, 2018	High	FOG ( )	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	-0.19 (-2.99, 2.61)	NS
De Icco, 2015	High	Stride (Number of strides)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	1 (-0.17, 2.17)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Icco, 2015	High	Stride (Number of strides)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	-0.1 (-3.27, 3.07)	NS
De Icco, 2015	High	Stride (Stride time)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	-86.9 (-306.91, 133.11)	NS
De Icco, 2015	High	Stride (Stride time)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	-91.6 (-263.22, 80.02)	NS
De Icco, 2015	High	Stride (Stride length)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	12.7 (-5.84, 31.24)	NS
De Icco, 2015	High	Stride (Stride length)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	7.4 (-4.80, 19.60)	NS
De Icco, 2015	High	Stance duration (Stance (% of stride))	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	7.6 (4.61, 10.59)	**Visual group (Gait training with visual cues)**
De Icco, 2015	High	Stance duration (Stance (% of stride))	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	4.1 (-0.82, 9.02)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Icco, 2015	High	Swing (Swing (% of stride))	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	-8.1 (-11.38, -4.82)	**Visual group (Gait training with visual cues)**
De Icco, 2015	High	Swing (Swing (% of stride))	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	-4.2 (-10.12, 1.72)	NS
De Icco, 2015	High	Gait speed (Speed (m/s))	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	0.06 (-0.15, 0.27)	NS
De Icco, 2015	High	Gait speed (Speed (m/s))	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	0.03 (-0.37, 0.43)	NS
De Icco, 2015	High	ADL (FIM)	.	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	0.2 (-8.59, 8.99)	NS
De Icco, 2015	High	ADL (FIM)	3 mos	Acoustic group (Gait training with acoustic cues): 20min, 5x/week, 4 weeks	Visual group (Gait training with visual cues): 20min, 5x/week, 4 weeks	Mean Difference	-1.2 (-10.36, 7.96)	NS
Lim, 2010	High	Stance duration (Time spent on standing (%))	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	-1.41(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lim, 2010	High	Walk test (Number of Walking periods >5sec per hour)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	2.63(.,.)	**Cueing training favored over No training**
Lim, 2010	High	Walk test (Number of Walking periods >10sec per hour)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	2.90(.,.)	**Cueing training favored over No training**
Nieuwboer, 2007	High	Gait speed (Walking speed)	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	**Cueing training favored over No training**
Nieuwboer, 2007	High	Step (Step length)	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	**Cueing training favored over No training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nieuwboer, 2007	High	Step (Step frequency (steps/min))	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	NS
Nieuwboer, 2007	High	Balance (Functional Reach Test)	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	NS
Nieuwboer, 2007	High	Mobility (TUG)	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	NS
Nieuwboer, 2007	High	FOG ( )	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nieuwboer, 2007	High	ADL (NEADL Total)	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	NS
Nieuwboer, 2007	High	Fall Fear/Risk (FES)	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	**Cueing training favored over No training**
Nieuwboer, 2007	High	Falls (Falls (number))	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	NS
Deepa, 2019	Moderate	Walk test (10MWT (m/s))	.	Auditory Cueing Training (External rhythm- click tone): 30min, 4x/wk, 4 weeks	Visual Cueing Training (White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS
Deepa, 2019	Moderate	Walk test (10MWT (Step length))	.	Auditory Cueing Training (External rhythm- click tone): 30min, 4x/wk, 4 weeks	Visual Cueing Training (White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Deepa, 2019	Moderate	Walk test (10MWT (steps))	.	Auditory Cueing Training (External rhythm- click tone): 30min, 4x/wk, 4 weeks	Visual Cueing Training (White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS
Deepa, 2019	Moderate	Walk test (10MWT (m/s))	.	Auditory Cueing Training (External rhythm- click tone): 30min, 4x/wk, 4 weeks	Audio-Visual Cueing Training (Verbal and auditory command & White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS
Deepa, 2019	Moderate	Walk test (10MWT (Step length))	.	Auditory Cueing Training (External rhythm- click tone): 30min, 4x/wk, 4 weeks	Audio-Visual Cueing Training (Verbal and auditory command & White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS
Deepa, 2019	Moderate	Walk test (10MWT (steps))	.	Auditory Cueing Training (External rhythm- click tone): 30min, 4x/wk, 4 weeks	Audio-Visual Cueing Training (Verbal and auditory command & White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS
Deepa, 2019	Moderate	Walk test (10MWT (m/s))	.	Visual Cueing Training (White lines on walkway): 30min, 4x/wk, 4 weeks	Audio-Visual Cueing Training (Verbal and auditory command & White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Deepa, 2019	Moderate	Walk test (10MWT (Step length))	.	Visual Cueing Training (White lines on walkway): 30min, 4x/wk, 4 weeks	Audio-Visual Cueing Training (Verbal and auditory command & White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS
Deepa, 2019	Moderate	Walk test (10MWT (steps))	.	Visual Cueing Training (White lines on walkway): 30min, 4x/wk, 4 weeks	Audio-Visual Cueing Training (Verbal and auditory command & White lines on walkway): 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS

Table 102101: PICO 5c- External cueing vs. External cueing- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murgia, 2018	High	Depression (GDS)	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.58 (-1.09, 2.25)	NS
Murgia, 2018	High	Depression (GDS)	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	0.28 (-1.25, 1.81)	NS

Table 103102: PICO 5c- External cueing vs. External cueing- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murgia, 2018	High	PDQ-8 ( )	.	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	3.79 (-4.45, 12.03)	NS
Murgia, 2018	High	PDQ-8 ( )	17 wks	Ecological rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Artificial rhythmic auditory stimulation: 45min, 2x/week, 5 weeks	Mean Difference	1.48 (-6.23, 9.19)	NS
Nieuwboer, 2007	High	PDQ-39 ( )	12 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	N/A	NS

Table 104103: PICO 5c- External cueing vs. External cueing- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lim, 2010	High	Dynamic activity (Time spent on dynamic activity (%))	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	4.46(.,.)	**Cueing training favored over No training**
Lim, 2010	High	Static activity (Time spent on static activity (%))	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	-3.34(.,.)	**Cueing training favored over No training**
Lim, 2010	High	Walking (Time spent walking (%))	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	4.23(.,.)	**Cueing training favored over No training**

PICO 6

Table 105104: PICO 6a- Community Exercise Program vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Montgomery, 1994	High	On/Off Problem ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	1.6 (-42.68, 45.88)	NS
Collett, 2017	Moderate	Adverse events ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	RD	.(.,.)	NS

Table 106105: PICO 6a- Community Exercise Program vs. Control- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	VO2 (VO2max to L/min)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	VO2 (VO2max to L/min)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 107106: PICO 6a- Community Exercise Program vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	UPDRS III ( )	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Mean Difference	-5.7 (-11.42, 0.02)	NS
Duncan, 2012	Moderate	UPDRS III ( )	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Mean Difference	-11 (-16.70, -5.30)	**Community-based Tango**
Duncan, 2012	Moderate	UPDRS III ( )	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Mean Difference	-13.3 (-19.30, -7.30)	**Community-based Tango**
Munneke, 2010	High	UPDRS III ( )	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Montgomery, 1994	High	UPDRS Total (UPDRS- On-state)	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-2.5 (-6.10, 1.10)	NS
Montgomery, 1994	High	UPDRS Total (UPDRS- Off-state)	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-4.6 (-8.90, -0.30)	**Health promotion program (PROPATH)**
Montgomery, 1994	High	Time in off-state (%)	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	0.6 (-5.22, 6.42)	NS
Montgomery, 1994	High	On/Off/Side effects (Summary score)	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-3 (-6.47, 0.47)	NS
Montgomery, 1994	High	Worsening of symptoms (End of dose exacerbation of symptoms (%))	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-3.3 (-73.70, 67.10)	NS
Montgomery, 1994	High	Worsening of symptoms (Rate (of disease progression) during program)	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-3.41 (-6.40, -0.42)	**Health promotion program (PROPATH)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	UPDRS III ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	UPDRS III ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 108107: PICO 6a- Community Exercise Program vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pelosin, 2018	High	FOG ( )	.	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Pelosin, 2018	High	FOG ( )	4 wks	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Pelosin, 2018	High	Mobility (TUG)	.	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Pelosin, 2018	High	Mobility (TUG)	4 wks	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Pelosin, 2018	High	Balance (BBS)	.	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Pelosin, 2018	High	Balance (BBS)	4 wks	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pelosin, 2018	High	Walk test (10MWT time)	.	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Pelosin, 2018	High	Walk test (10MWT time)	4 wks	Group-based Action Observation Training (AOT): 45min, 2x/wk, 5 weeks	Control (Group-based Landscape Observation Training): 45min, 2x/wk, 5 weeks	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Time (sec))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Time (sec))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 1 (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 1 (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 2 (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Area 2 (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Total area (mm2))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Total area (mm2))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Ratio (%))	6 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Handwriting performance (Handwriting performance: Ratio (%))	12 mos	Community Exercise Program (Aerobic/Resistance): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Duncan, 2012	Moderate	UPDRS II ( )	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	UPDRS II ( )	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	UPDRS II ( )	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Balance (Mini BESTest)	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**
Duncan, 2012	Moderate	Balance (Mini BESTest)	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	Balance (Mini BESTest)	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**
Duncan, 2012	Moderate	FOG ( )	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	FOG ( )	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	FOG ( )	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	Walk test (6MWT (m))	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Walk test (6MWT (m))	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Walk test (6MWT (m))	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**
Duncan, 2012	Moderate	Gait velocity (Forward velocity)	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	Gait velocity (Forward velocity)	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**
Duncan, 2012	Moderate	Gait velocity (Forward velocity)	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**
Duncan, 2012	Moderate	Gait velocity (Fastest possible walking velocity (m/s))	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Gait velocity (Fastest possible walking velocity (m/s))	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	Gait velocity (Fastest possible walking velocity (m/s))	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Gait velocity (Dual task: Gait velocity)	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Gait velocity (Dual task: Gait velocity)	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**
Duncan, 2012	Moderate	Gait velocity (Dual task: Gait velocity)	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	**Tango group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	Gait velocity (Backward velocity)	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Gait velocity (Backward velocity)	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Gait velocity (Backward velocity)	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	Hand/UE dexterity (9-HPT (sec))	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Duncan, 2012	Moderate	Hand/UE dexterity (9-HPT (sec))	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	
Duncan, 2012	Moderate	Hand/UE dexterity (9-HPT (sec))	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	
Winward, 2012	High	Walk test (2MWT (m))	12 wks	Community gym-based exercise program: 30-45min sessions, 12 weeks	Control (Usual care)	Mean Difference	6.5 (-18.04, 31.04)	NS
Munneke, 2010	High	PSI-PD ( )	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	Parkinson Activity Scale (PAS)	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	Mobility (TUG)	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	Walk test (4 x 3m walk test)	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Munneke, 2010	High	Hand/UE dexterity (9-HPT (sec))	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	Hand/UE dexterity (9-HPT (sec))	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	ADL (SPDSS (Self-assessment PD disability scale))	8 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	ADL (SPDSS (Self-assessment PD disability scale))	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	ADL (SPDSS (Self-assessment PD disability scale))	24 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	ADL (Academic Medical Center Linear Disability Score (ALDS))	8 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	ADL (Academic Medical Center Linear Disability Score (ALDS))	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Munneke, 2010	High	ADL (Academic Medical Center Linear Disability Score (ALDS))	24 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	FOG ( )	8 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	FOG ( )	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	FOG ( )	24 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	Falls (Falls (number))	24 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rawson, 2019	Moderate	Walk test (6MWT (m))	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Teixeira-Machado, 2017	Moderate	Walk test (Figure of 8 Walk Test (Time))	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Mean Difference	-21.69 (-23.61, -19.77)	**Feldenkrais method-based exercise**
Teixeira-Machado, 2017	Moderate	Mobility (TUG)	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Mean Difference	-13.73 (-15.19, -12.27)	**Feldenkrais method-based exercise**
Teixeira-Machado, 2017	Moderate	Mobility (Sitting-rising test (sec))	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Mean Difference	-4.52 (-5.17, -3.87)	**Feldenkrais method-based exercise**
Teixeira-Machado, 2017	Moderate	Turning (360° Turn test (sec))	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Mean Difference	-4.85 (-5.57, -4.13)	**Feldenkrais method-based exercise**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Teixeira-Machado, 2017	Moderate	Mobility (Rollover (sec))	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Mean Difference	-21.15 (-23.01, -19.29)	**Feldenkrais method-based exercise**
Teixeira-Machado, 2017	Moderate	Balance (Functional Reach Test)	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Mean Difference	10.22 (8.97, 11.47)	**Feldenkrais method-based exercise**
Teixeira-Machado, 2017	Moderate	Strength/Power (Hip-flexion strength (Nm/kg))	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Mean Difference	1.03 (0.94, 1.12)	**Feldenkrais method-based exercise**
Teixeira-Machado, 2017	Moderate	Balance (BBS)	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 24 weeks	Author Reported - T test (p= 0.01)	N/A	NS
Montgomery, 1994	High	Self-efficacy (Self-efficacy (Symptoms))	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	41 (11.86, 70.14)	**Health promotion program (PROPATH)**
Montgomery, 1994	High	Self-efficacy (Self-efficacy (Timed function))	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	30 (0.86, 59.14)	**Health promotion program (PROPATH)**
Montgomery, 1994	High	Self-efficacy (Self-efficacy (Management))	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	38 (0.55, 75.45)	**Health promotion program (PROPATH)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Montgomery, 1994	High	Self-efficacy (Total self-efficacy)	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	109 (45.19, 172.81)	**Health promotion program (PROPATH)**
Collett, 2017	Moderate	Walk test (2MWT (m))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Walk test (2MWT (m))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Hand/UE dexterity (9-HPT (sec))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Hand/UE dexterity (9-HPT (sec))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Mobility (TUG)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	Mobility (TUG)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Strength/Power (Leg power (watts))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Strength/Power (Leg power (watts))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Strength/Power (Grip strength)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Strength/Power (Grip strength)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 109108: PICO 6a- Community Exercise Program vs. Control- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Montgomery, 1994	High	LEDD ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Author Reported - T test	N/A	NS
Montgomery, 1994	High	Bromocriptine (% dose) ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Author Reported - T test	N/A	NS
Montgomery, 1994	High	Selegiline (% dose) ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Author Reported - T test	N/A	NS
Montgomery, 1994	High	Side effects index ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-2.1 (-6.40, 2.20)	NS
Montgomery, 1994	High	Doctor visits ((per 6 months))	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-0.6 (-1.31, 0.11)	NS
Montgomery, 1994	High	Hospital stays ((per 6 months))	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-0.5 (-1.48, 0.48)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Montgomery, 1994	High	Sick days ((per 6 months))	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-1.3 (-7.27, 4.67)	NS

Table 110109: PICO 6a- Community Exercise Program vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Teixeira-Machado, 2015	High	Depression (BDI)	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 1 week of lectures	Author Reported - T test	N/A	**Feldenkrais exercise favored over Control**
Teixeira-Machado, 2015	High	Cognition (MMSE)	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 1 week of lectures	Mean Difference	2.93 (2.67, 3.19)	**Feldenkrais method-based exercise**
Duncan, 2012	Moderate	UPDRS I ( )	3 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	UPDRS I ( )	6 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS
Duncan, 2012	Moderate	UPDRS I ( )	12 mos	Community-based Tango: 1hr, 2x/week, 12 months	Control (No intervention)	Author Reported - ANOVA; p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Winward, 2012	High	Fatigue (FSS (Fatigue Severity Scale))	12 wks	Community gym-based exercise program: 30-45min sessions, 12 weeks	Control (Usual care)	Mean Difference	-0.16 (-1.07, 0.75)	NS
Advocat, 2016	High	Depression (DASS-Depression)	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	0.86 (-1.70, 3.42)	NS
Advocat, 2016	High	Anxiety (Depression Anxiety and Stress Scales-Anxiety)	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	0.96 (-2.09, 4.01)	NS
Advocat, 2016	High	Stress (Depression Anxiety and Stress Scales-Stress)	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	3.8 (0.89, 6.71)	**Control (Wait-list)**
Collett, 2017	Moderate	Non-motor symptoms questionnaire ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Non-motor symptoms questionnaire ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	Fatigue (FSS (Fatigue Severity Scale))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	Fatigue (FSS (Fatigue Severity Scale))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 111110: PICO 6a- Community Exercise Program vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Foster, 2013	Moderate	Participation in new activities ( )	12 mos	Community-based Dance (Tango): 1hr, 2x/week, 12 months	Control (No intervention)	Mean Difference	1.2 (-0.67, 3.07)	NS
Teixeira-Machado, 2015	High	PDQL (PDQL Total)	.	Feldenkrais method-based exercise: 1hr, 2x/week, 50 sessions	Control (Educational lectures): 1 week of lectures	Author Reported - T test	N/A	**Feldenkrais exercise favored over Control**
Winward, 2012	High	PDQ-39 ( )	12 wks	Community gym-based exercise program: 30-45min sessions, 12 weeks	Control (Usual care)	Mean Difference	0.4 (-10.38, 11.18)	NS
Munneke, 2010	High	PDQ-39 ( )	8 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	PDQ-39 ( )	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	PDQ-39 ( )	24 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	EQ-5D ( )	8 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	EQ-5D ( )	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Munneke, 2010	High	EQ-5D ( )	24 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	.	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	12 wks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Active Control (Community-based Stretching): 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Advocat, 2016	High	PDQ-39 ( )	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	0.99 (-2.56, 4.54)	NS
Advocat, 2016	High	PDQ-39 (PDQ-39 (ADL))	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	-0.41 (-6.67, 5.85)	NS
Advocat, 2016	High	Freiburg Mindfulness Inventory (FMI) ( )	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	5.94 (1.94, 9.94)	**Mindfulness-based lifestyle program (group sessions)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Advocat, 2016	High	LOC (Locus of Control) (Locus of Control: Internal)	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	-1.37 (-4.14, 1.40)	NS
Advocat, 2016	High	LOC (Locus of Control) (Locus of Control: Chance)	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	2.42 (-0.60, 5.44)	NS
Advocat, 2016	High	LOC (Locus of Control) (Locus of Control: Doctors)	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	1.54 (-0.30, 3.38)	NS
Advocat, 2016	High	LOC (Locus of Control) (Locus of Control-Powerful Others)	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	-0.05 (-1.92, 1.82)	NS
Montgomery, 1994	High	Patient Global Assessment ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-2.5 (-7.49, 2.49)	NS
Montgomery, 1994	High	Patient Global Assessment ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	-2.5 (-7.77, 2.77)	NS
Collett, 2017	Moderate	EQ-5D (EQ5D-5L (VAS))	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	EQ-5D (EQ5D-5L (VAS))	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 PCS)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 PCS)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 MCS)	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS
Collett, 2017	Moderate	SF-36 (SF-36 MCS)	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 112111: PICO 6a- Community Exercise Program vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Winward, 2012	High	PASE ( )	12 wks	Community gym-based exercise program: 30-45min sessions, 12 weeks	Control (Usual care)	Mean Difference	-6.4 (-44.43, 31.63)	NS
Munneke, 2010	High	LAPAQ (LAPAQ (MET))	16 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Munneke, 2010	High	LAPAQ (LAPAQ (MET))	24 wks	ParkinsonNet (Community-based professional network)	Control (Usual care)	Author Reported	N/A	NS
Advocat, 2016	High	Exercise ( )	7 wks	Mindfulness-based lifestyle program (group sessions): 2hr, 1x/week, 6 weeks	Control (Wait-list)	Mean Difference	0.7 (-0.54, 1.94)	NS
Montgomery, 1994	High	Exercise ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	15.1 (-82.85, 113.05)	NS
Montgomery, 1994	High	Exercise ( )	6 mos	Health promotion program (PROPATH): Delivered by mail, 6 month trial	Control (Usual care): Received intervention after trial completion	Mean Difference	1 (-10.62, 12.62)	NS
Collett, 2017	Moderate	PASE ( )	6 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Collett, 2017	Moderate	PASE ( )	12 mos	Exercise (Aerobic/Resistance)(Community exercise program): 1hr, 2x/week, 6 months	Control (Handwriting): 1hr, 2x/week, 6 months	Author Reported	N/A	NS

Table 113112: PICO 6b- Community Exercise Program vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2010	Moderate	UPDRS III ( )	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS

Table 114113: PICO 6b- Community Exercise Program vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2014	Moderate	Reaction time (Non-cued reaction time (nRT) (msec))	.	LSVT-BIG: 1hr, 4x/week, 4 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	8 (-40.82, 56.82)	NS
Ebersbach, 2014	Moderate	Reaction time (Non-cued reaction time (nRT) (msec))	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	22 (-47.06, 91.06)	NS
Ebersbach, 2014	Moderate	Reaction time (Cued reaction time (cRT) (msec))	.	LSVT-BIG: 1hr, 4x/week, 4 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	10 (-35.62, 55.62)	NS
Ebersbach, 2014	Moderate	Reaction time (Cued reaction time (cRT) (msec))	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks	Domestic non-supervised exercise (HOME): 1hr instruction	Mean Difference	7 (-57.68, 71.68)	NS
Ebersbach, 2014	Moderate	Reaction time (Non-cued reactiont ime (nRT) (msec))	.	LSVT-BIG: 1hr, 4x/week, 4 weeks	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Mean Difference	-34 (-95.96, 27.96)	NS
Ebersbach, 2014	Moderate	Reaction time (Non-cued reactiont ime (nRT) (msec))	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Mean Difference	8 (-65.84, 81.84)	NS
Ebersbach, 2014	Moderate	Reaction time (Cued reaction time (cRT) (msec))	.	LSVT-BIG: 1hr, 4x/week, 4 weeks	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Mean Difference	-9 (-51.50, 33.50)	NS
Ebersbach, 2014	Moderate	Reaction time (Cued reaction time (cRT) (msec))	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks	Nordic Walking (WALK): 1hr, 2x/week, 8 weeks	Mean Difference	12 (-41.38, 65.38)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2010	Moderate	Mobility (TUG)	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS
Ebersbach, 2010	Moderate	Walk test (10MWT time)	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS
Park, 2018	Moderate	Mobility (Ambulation)	.	Communal Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Individual Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Mean Difference	-2.68 (-3.60, -1.76)	**Communal Exercise with SmartApp (Parkinson Home Exercise App)**
Park, 2018	Moderate	Single support (Single limb support- Left (%))	.	Communal Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Individual Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Mean Difference	-1.12 (-4.17, 1.93)	NS
Park, 2018	Moderate	Single support (Single limb support- Right (%))	.	Communal Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Individual Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Mean Difference	-0.1 (-2.63, 2.43)	NS
Park, 2018	Moderate	Double support (Double support time L (%))	.	Communal Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Individual Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Mean Difference	-1.24 (-3.19, 0.71)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Park, 2018	Moderate	Double support (Double support time R (%))	.	Communal Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Individual Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Mean Difference	-0.2 (-1.95, 1.55)	NS
Park, 2018	Moderate	Walk test (Distance time)	.	Communal Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Individual Exercise with SmartApp (Parkinson Home Exercise App): 1hr, 3x/week, 10 weeks	Mean Difference	51.75 (28.28, 75.22)	**Communal Exercise with SmartApp (Parkinson Home Exercise App)**

Table 115114: PICO 6b- Community Exercise Program vs. Other- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2010	Moderate	PDQ-39 ( )	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Home (Domestic nonsupervised exercises): 1hr/session, 4 weeks	Author Reported - ANCOVA	N/A	NS

Table 116115: PICO 6c- Community Exercise Program vs. Community Exercise Program- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2015	Moderate	UPDRS III ( )	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks (16 sessions)	AOT-SP (Amplitude-oriented training, Short Protocol): 1hr, 5x/week, 2 weeks (10 sessions)	Mean Difference	-4.7 (-8.16, -1.24)	**LSVT-BIG**
Ebersbach, 2010	Moderate	UPDRS III ( )	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Nordic Walking (Group training): 1hr, 2x/wk, 8 weeks	Author Reported - ANCOVA	N/A	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	UPDRS III (MDS-UPDRS III)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Table 117116: PICO 6c- Community Exercise Program vs. Community Exercise Program- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2015	Moderate	Mobility (TUG)	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks (16 sessions)	AOT-SP (Amplitude-oriented training, Short Protocol): 1hr, 5x/week, 2 weeks (10 sessions)	Mean Difference	0 (-0.94, 0.94)	NS
Ebersbach, 2015	Moderate	Walk test (10MWT time)	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks (16 sessions)	AOT-SP (Amplitude-oriented training, Short Protocol): 1hr, 5x/week, 2 weeks (10 sessions)	Mean Difference	-0.3 (-0.91, 0.31)	NS
Ebersbach, 2015	Moderate	Walk test (6MWT (m))	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks (16 sessions)	AOT-SP (Amplitude-oriented training, Short Protocol): 1hr, 5x/week, 2 weeks (10 sessions)	Mean Difference	-7 (-77.64, 63.64)	NS
Ebersbach, 2015	Moderate	Hand/UE dexterity (Box and block test (number of blocks moved))	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks (16 sessions)	AOT-SP (Amplitude-oriented training, Short Protocol): 1hr, 5x/week, 2 weeks (10 sessions)	Mean Difference	2.2 (-6.58, 10.98)	NS
Ebersbach, 2015	Moderate	Step (Step length)	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks (16 sessions)	AOT-SP (Amplitude-oriented training, Short Protocol): 1hr, 5x/week, 2 weeks (10 sessions)	Mean Difference	3.9 (-7.72, 15.52)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Combs, 2013	High	Balance (BBS)	.	Boxing training (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Traditional exercise (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Author Reported - MWU test, p = 0.439	N/A	NS
Combs, 2013	High	Balance (ABC)	.	Boxing training (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Traditional exercise (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Author Reported - MWU test, p = 0.015	N/A	**Boxing training favored over Traditional exercise**
Combs, 2013	High	Mobility (TUG)	.	Boxing training (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Traditional exercise (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Author Reported - MWU test, p = 0.809	N/A	NS
Combs, 2013	High	Mobility (Dual Task- TUG (sec))	.	Boxing training (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Traditional exercise (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Author Reported - MWU test, p = 0.841	N/A	NS
Combs, 2013	High	Gait velocity ( )	.	Boxing training (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Traditional exercise (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Author Reported - MWU test, p = 0.439	N/A	NS
Combs, 2013	High	Walk test (6MWT (m))	.	Boxing training (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Traditional exercise (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Author Reported - MWU test, p = 0.087	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2010	Moderate	Mobility (TUG)	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Nordic Walking (Group training): 1hr, 2x/wk, 8 weeks	Author Reported - ANCOVA	N/A	NS
Ebersbach, 2010	Moderate	Walk test (10MWT time)	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Nordic Walking (Group training): 1hr, 2x/wk, 8 weeks	Author Reported - ANCOVA	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Forward velocity)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Gait velocity (Backward velocity)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Walk test (6MWT (m))	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rawson, 2019	Moderate	Balance (Mini BESTest)	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	Balance (Mini BESTest)	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Table 118117: PICO 6c- Community Exercise Program vs. Community Exercise Program- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ebersbach, 2015	Moderate	PDQ-39 ( )	16 wks	LSVT-BIG: 1hr, 4x/week, 4 weeks (16 sessions)	AOT-SP (Amplitude-oriented training, Short Protocol): 1hr, 5x/week, 2 weeks (10 sessions)	Mean Difference	-2.21 (-6.21, 1.79)	NS
Combs, 2013	High	PDQL (PDQL Total)	.	Boxing training (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Traditional exercise (Community-based group exercise): 90min, 12 weeks, 24-36 sessions	Author Reported - MWU test, p = 0.67	N/A	NS
Ebersbach, 2010	Moderate	PDQ-39 ( )	16 wks	LSVT BIG: 1hr, 4x/wk, 4 weeks	Nordic Walking (Group training): 1hr, 2x/wk, 8 weeks	Author Reported - ANCOVA	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	.	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS
Rawson, 2019	Moderate	PDQ-39 ( )	12 wks	Community-based Argentine Tango: 1hr, 2x/wk, 12 weeks	Community-based treadmill training: 1hr, 2x/wk, 12 weeks	Author Reported	N/A	NS

Table 119118: PICO 6c- Community exercise program vs. Community exercise program- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Park, 2014	Moderate	UPDRS Total ( )	24 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS
Park, 2014	Moderate	UPDRS Total ( )	48 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Park, 2014	Moderate	UPDRS III ( )	24 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS
Park, 2014	Moderate	UPDRS III ( )	48 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS

Table 120119: PICO 6c- Community exercise program vs. Community exercise program- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Park, 2014	Moderate	Tinetti Assessment Tool (TAT) ( )	24 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS
Park, 2014	Moderate	Tinetti Assessment Tool (TAT) ( )	48 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Park, 2014	Moderate	Walk test (Timed walk)	24 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS
Park, 2014	Moderate	Walk test (Timed walk)	48 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS

Table 121120: PICO 6c- Community exercise program vs. Community exercise program- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Park, 2014	Moderate	Depression (BDI)	48 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS

Table 122121: PICO 6c- Community exercise program vs. Community exercise program- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Park, 2014	Moderate	PDQ-39 ( )	48 wks	Early Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Delayed Start Exercise Program (Cardio/core/joint integrity & Strength training): 1hr, 3x/wk, 48 wks (weeks 1-6: baseline fitness level; weeks 7-12: strength training; weeks 13-14: cardio/core/joint integrity; weeks 15-24: strength training with increased weight intensity)	Author Reported	N/A	NS

PICO 7

Table 123122: PICO 7a- Gait training vs. Control- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Sessions completed ( )	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported	N/A	NS
Shen, 2014	Moderate	Sessions completed ( )	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported	N/A	NS
Ginis, 2016	High	Total duration (min)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Sessions completed ( )	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported - ANOVA	N/A	NS

Table 124123: PICO 7a- Gait training vs. Control- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kurtais, 2008	Moderate	VO2 (VO2 peak)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	1.5 (-2.75, 5.75)	NS

Table 125124: PICO 7a- Gait training vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Feng, 2019	Moderate	UPDRS III ( )	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	0.14 (-5.42, 5.70)	NS
Gasner, 2019	Moderate	UPDRS III ( )	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-5.3 (-10.54, -0.06)	**Perturbation treadmill training**
Gasner, 2019	Moderate	UPDRS III ( )	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-5.1 (-9.77, -0.43)	**Perturbation treadmill training**
Gasner, 2019	Moderate	UPDRS III (UPDRS III-PIGD)	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.4 (-1.39, 0.59)	NS
Gasner, 2019	Moderate	UPDRS III (UPDRS III-PIGD)	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-1 (-2.20, 0.20)	NS
Gasner, 2019	Moderate	UPDRS III (UPDRS III-Item Gait)	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.4 (-0.78, -0.02)	**Perturbation treadmill training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gasner, 2019	Moderate	UPDRS III (UPDRS III-Item Gait)	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.4 (-0.83, 0.03)	NS
Gasner, 2019	Moderate	UPDRS III (UPDRS III-Item Postural Stability)	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.1 (-0.51, 0.31)	NS
Gasner, 2019	Moderate	UPDRS III (UPDRS III-Item Postural Stability)	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-0.3 (-0.73, 0.13)	NS
Grobbelaar, 2017	High	UPDRS III (UPDRS III (Bradykinesia))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	UPDRS III (UPDRS III (Tremor))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	UPDRS III (UPDRS III (Rigidity))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	UPDRS III (UPDRS III (Postural Instability))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Furnari, 2017	Moderate	UPDRS III ( )	.	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	1.80(.,.)	NS
Furnari, 2017	Moderate	UPDRS III ( )	3 mos	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	4.50(.,.)	NS
Carpinella, 2017	High	UPDRS III ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-5.5 (-10.24, -0.76)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	UPDRS III ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-2 (-6.53, 2.53)	NS
Ganesan, 2014	Moderate	UPDRS III ( )	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	UPDRS III ( )	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sale, 2013	High	UPDRS III ( )	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	0.2 (-6.85, 7.25)	NS
Picelli, 2012	High	UPDRS III ( )	.	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	UPDRS III ( )	1 mos	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Peppe, 2019	High	UPDRS III ( )	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	UPDRS III (UPDRS III: Item 3.1)	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	UPDRS III (UPDRS III: Item 3.11)	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	UPDRS III (UPDRS III: Item 3.12)	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Peppe, 2019	High	UPDRS III (UPDRS III: Item 3.13)	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Burt, 2020	Moderate	UPDRS III ( )	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	UPDRS III ( )	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Ginis, 2016	High	UPDRS III ( )	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	UPDRS III ( )	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

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Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Feng, 2019	Moderate	Balance (BBS)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	4.71 (1.22, 8.20)	**Virtual reality training (Balance & gait)**
Feng, 2019	Moderate	Mobility (TUG)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	-4.21 (-8.15, -0.27)	**Virtual reality training (Balance & gait)**
Feng, 2019	Moderate	Gait assessment (FGA)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	2.78 (0.15, 5.41)	**Virtual reality training (Balance & gait)**
Kleiner, 2018	High	Gait assessment (Single task: Gait asymmetry (%))	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Single task: Step length)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kleiner, 2018	High	Step (Single task: Step length SD)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Single task: Step length CoV)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Single task: Step time)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kleiner, 2018	High	Step (Single task: Step time variability SD)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Single task: Step time variability CoV)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Gait velocity (Single task: Gait velocity)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kleiner, 2018	High	Gait assessment (Dual task: Gait asymmetry (%))	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Dual task: Step length)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Dual task: Step length SD)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kleiner, 2018	High	Step (Dual task: Step length CoV)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Dual task: Step time)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Step (Dual task: Step time variability SD)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kleiner, 2018	High	Step (Dual task: Step time variability CoV)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Kleiner, 2018	High	Gait velocity (Dual task: Gait velocity)	.	AMPS (Authomated Mechanical Peripheral Stimulation) (Gondola medical device- metallic actuators on 4 areas of feet): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	ROM (Ankle plantar/dorsiflexion)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	ROM (Knee flexion/extension)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pinto, 2018	High	Strength/Power (Hip ad/abduction)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	ROM (Hip flexion/extension)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	ROM (Hip ROM (°))	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	ROM (Pelvic obliquity)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	ROM (Pelvic tilt)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pinto, 2018	High	ROM (Pelvic rotation)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	Stride (Stride length)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	Step (Step length)	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Pinto, 2018	High	Gait speed (Speed (m/s))	.	AMPS (Authomated Mechanical Peripheral Stimulation): 15min, 2x/week, 4 weeks	AMPS Sham: 15min, 2x/week, 4 weeks	Author Reported	N/A	NS
Galli, 2018	High	Gait velocity (Velocity)	.	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	0.1 (-0.13, 0.33)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Galli, 2018	High	Gait velocity (Velocity)	3 wks	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	0.1 (-0.09, 0.29)	NS
Galli, 2018	High	Stride (Stride length)	.	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	0.03 (-0.16, 0.22)	NS
Galli, 2018	High	Stride (Stride length)	3 wks	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	0.03 (-0.16, 0.22)	NS
Galli, 2018	High	ROM (Ankle ROM (°))	.	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	-4.69 (-8.26, -1.12)	**Placebo (Sham)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Galli, 2018	High	ROM (Ankle ROM (°))	3 wks	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	-3.9 (-6.50, -1.30)	**Placebo (Sham)**
Galli, 2018	High	ROM (Knee ROM (°))	.	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	3.69 (-3.93, 11.31)	NS
Galli, 2018	High	ROM (Knee ROM (°))	3 wks	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	3.97 (-2.35, 10.29)	NS
Galli, 2018	High	ROM (Hip ROM (°))	.	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	0.27 (-7.22, 7.76)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Galli, 2018	High	ROM (Hip ROM (°))	3 wks	Automated Mechanical Peripheral Stimulation (AMPS): 15min/session, 2x/week, 6 sessions (3 weeks)	Placebo (Sham): 15min/session, 2x/week, 6 sessions (3 weeks)	Mean Difference	-1.25 (-7.44, 4.94)	NS
Prusch, 2018	High	Amount of sway (Total path length (Eyes open))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-26.34 (-59.54, 6.86)	NS
Prusch, 2018	High	Amount of sway (CoP area (mm) (Eyes open))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.055 (-0.11, -0.00)	**AMPS (Automated mechanical peripheral stimulation)**
Prusch, 2018	High	Amount of sway (Sway range of CoP in AP direction (Eyes open))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.01 (-0.02, 0.00)	NS
Prusch, 2018	High	Amount of sway (Sway range of CoP in ML direction (Eyes open))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.006 (-0.01, 0.00)	NS
Prusch, 2018	High	Amount of sway (Mean velocity for AP (sec) (Eyes open))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.02 (-0.04, 0.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Prusch, 2018	High	Amount of sway (Mean velocity for ML (sec) (Eyes open))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.006 (-0.02, 0.01)	NS
Prusch, 2018	High	Gait velocity (Total mean velocity (sec) (Eyes open))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.024 (-0.05, 0.00)	NS
Prusch, 2018	High	Amount of sway (Total path length (Eyes closed))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-27.875 (-69.43, 13.68)	NS
Prusch, 2018	High	Amount of sway (CoP area (mm) (Eyes closed))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.041 (-0.10, 0.01)	NS
Prusch, 2018	High	Amount of sway (Sway range of CoP in AP direction (Eyes closed))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.012 (-0.03, 0.00)	NS
Prusch, 2018	High	Amount of sway (Sway range of CoP in ML direction (Eyes closed))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.006 (-0.01, 0.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Prusch, 2018	High	Amount of sway (Mean velocity for AP (sec) (Eyes closed))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.015 (-0.04, 0.01)	NS
Prusch, 2018	High	Amount of sway (Mean velocity for ML (sec) (Eyes closed))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.006 (-0.02, 0.01)	NS
Prusch, 2018	High	Gait velocity (Total mean velocity (sec) (Eyes closed))	.	AMPS (Automated mechanical peripheral stimulation): 1 session/3-4 days, 8 sessions	Placebo (AMPS Sham): 1 session/3-4 days, 8 sessions	Mean Difference	-0.009 (-0.04, 0.02)	NS
De Melo, 2018	High	Walk test (6MWT distance)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	86.94 (20.49, 153.39)	**Virtual reality group (Gait training using XboxTM)**
De Melo, 2018	High	Symmetry (6MWT)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.86 (-3.76, 5.48)	NS
De Melo, 2018	High	Gait speed (Speed (m/s))	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.41 (0.08, 0.74)	**Virtual reality group (Gait training using XboxTM)**
De Melo, 2018	High	Walk test (6MWT distance)	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	52.17 (-13.88, 118.22)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	Symmetry (6MWT)	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-1.61 (-7.16, 3.94)	NS
De Melo, 2018	High	Gait speed (Speed (m/s))	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.24 (-0.08, 0.56)	NS
Grobbelaar, 2017	High	Gait speed ( )	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	Gait speed (Gait speed CoV)	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	Gait speed (Gait speed (% Stature))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	Step (Cadence)	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	Step (Cadence CoV)	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Grobbelaar, 2017	High	Stride (Stride length (% Stature))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	Stride (Stride time CV (%))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	Double support (Double support (% gait cycle))	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Grobbelaar, 2017	High	Double support (Double support CoV)	.	Backwards Gait Training: 45-60min, 3x/week, 8 weeks	Control (Forward Gait Training): 45-60min, 3x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Furnari, 2017	Moderate	Tinetti Assessment Tool (TAT) (Tinetti (Gait))	.	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	-0.50(.,.)	NS
Furnari, 2017	Moderate	Tinetti Assessment Tool (TAT) (Tinetti (Gait))	3 mos	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	-2.10(.,.)	**RAGT group favored over Control**
Furnari, 2017	Moderate	Tinetti Assessment Tool (TAT) (Tinetti (Balance))	.	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	-0.50(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Furnari, 2017	Moderate	Tinetti Assessment Tool (TAT) (Tinetti (Balance))))	3 mos	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	-1.20(.,.)	NS
Furnari, 2017	Moderate	Walk test (10MWT time)	3 mos	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported - p = 0.08	N/A	NS
Carpinella, 2017	High	Balance (BBS)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	6.8 (1.19, 12.41)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Balance (BBS)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	5.8 (-1.36, 12.96)	NS
Carpinella, 2017	High	Walk test (10MWT (m/s))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	0.3 (0.12, 0.48)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Walk test (10MWT (m/s))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	0.3 (0.10, 0.50)	**Gamepad (tailored balance and gait exercises)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Carpinella, 2017	High	Mobility (TUG)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-10.6 (-18.93, -2.27)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Mobility (TUG)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-6.8 (-12.90, -0.70)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Balance (ABC)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	19.4 (5.01, 33.79)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Balance (ABC)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	15.3 (1.62, 28.98)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	FOG ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.7 (-4.67, 1.27)	NS
Carpinella, 2017	High	FOG ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.5 (-4.50, 1.50)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Carpinella, 2017	High	Amount of sway (CoP ML sway (mm))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.9 (-3.48, -0.32)	**Gamepad (tailored balance and gait exercises)**
Carpinella, 2017	High	Amount of sway (CoP ML sway (mm))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.5 (-4.21, 1.21)	NS
Carpinella, 2017	High	Amount of sway (CoP AP sway (mm))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-1.7 (-3.77, 0.37)	NS
Carpinella, 2017	High	Amount of sway (CoP AP sway (mm))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-0.9 (-3.17, 1.37)	NS
Morrone, 2016	High	Stability (Anterior Posterior Stability Index)	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Morrone, 2016	High	Stability (Anterior Posterior Stability Index)	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morrone, 2016	High	Stability (Medial Lateral Stability Index)	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported - p = 0.220	N/A	NS
Morrone, 2016	High	Stability (Medial Lateral Stability Index)	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported - p = 0.21	N/A	NS
Morrone, 2016	High	Falls (Fall Risk Index)	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported - Friedman test, p = 0.545	N/A	NS
Morrone, 2016	High	Falls (Fall Risk Index)	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported - Friedman test, p = 0.677	N/A	NS
Morrone, 2016	High	Step (Cadence)	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Morrone, 2016	High	Step (Cadence)	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morrone, 2016	High	Stride (Stride length)	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Morrone, 2016	High	Stride (Stride length)	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Morrone, 2016	High	Gait velocity (Normalized velocity (m/s))	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Morrone, 2016	High	Gait velocity (Normalized velocity (m/s))	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Shen, 2015	Moderate	Falls (Fallers)	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Falls (Fallers)	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	RD	.(.,.)	NS
Shen, 2015	Moderate	Falls (Fallers)	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	RD	.(.,.)	NS
Shen, 2015	Moderate	Falls (Falls rate)	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Falls (Falls rate)	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Falls (Falls rate)	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Balance (Latency of postural response to backward translation of center of mass (ms))	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Balance (Latency of postural response to backward translation of center of mass (ms))	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Balance (Latency of postural response to backward translation of center of mass (ms))	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stance duration (Single leg stand time (sec))	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Stance duration (Single leg stand time (sec))	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stance duration (Single leg stand time (sec))	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stride (Stride length)	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Stride (Stride length)	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Stride (Stride length)	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Gait velocity ( )	3 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2015	Moderate	Gait velocity ( )	6 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2015	Moderate	Gait velocity ( )	15 mos	Technology-assisted Balance and Gait training (Lab & Self-supervised Home-based): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Active Control (Lower limb strength training (Lab & Self-supervised Home-based)): Lab: 2 phases of 4 wks, 3x/week; Home: 4 wks, 5x/week; 12 wks total	Author Reported	N/A	NS
Shen, 2014	Moderate	Balance (ABC)	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Balance (ABC)	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Balance (ABC)	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Gait velocity (Movement velocity (degreee/s))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Gait velocity (Movement velocity (degreee/s))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Gait velocity (Movement velocity (degreee/s))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stability (Endpoint excursion (% LOS))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Stability (Endpoint excursion (% LOS))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stability (Endpoint excursion (% LOS))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Gait velocity ( )	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Gait velocity ( )	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Gait velocity ( )	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stride (Stride length)	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Stride (Stride length)	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stride (Stride length)	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (No loss of balance events))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Stance duration (Single-leg stance (No loss of balance events))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	RD	.(.,.)	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (No loss of balance events))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	RD	.(.,.)	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (Time to loss of balance))	.	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Shen, 2014	Moderate	Stance duration (Single-leg stance (Time to loss of balance))	3 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Shen, 2014	Moderate	Stance duration (Single-leg stance (Time to loss of balance))	12 mos	Balance and Gait Training with Augmented Feedback: 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Active Control (Lower limb strength training): 12 weeks (4 weeks lab-based, 4 weeks home-based, 4 weeks lab-based)	Author Reported - Nonparametric tests and Kaplan-Meier log rank Chi Sq test	N/A	NS
Ganesan, 2014	Moderate	Balance (Overall Balance Index)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Anterior Posterior Stability Index)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Medial Lateral Stability Index)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Balance (BBS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Tinetti Assessment Tool (TAT) (POMA: Gait (Tinetti Performance-Oriented Mobility Assessment))	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Balance (POMA: Balance)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Time to complete LOS test)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Stability (Total LOS score)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Right LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Left LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward-Right LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward-Left LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward-Right LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward-Left LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Balance (Overall Balance Index)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Stability (Anterior Posterior Stability Index)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Stability (Medial Lateral Stability Index)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Balance (BBS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Tinetti Assessment Tool (TAT) (POMA: Gait (Tinetti Performance-Oriented Mobility Assessment))	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Tinetti Assessment Tool (TAT) (POMA: Balance)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Stability (Time to complete LOS test)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Total LOS score)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Right LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Left LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward-Right LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward-Left LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Backward-Right LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward-Left LOS)	4 wks	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Control (Stable dosage of dopaminomimetic drugs)	Author Reported - ANOVA	N/A	NS
Sale, 2013	High	Gait velocity (Mean velocity (m/s))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	0.0622 (-0.15, 0.27)	NS
Sale, 2013	High	Step (Cadence)	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	12.19 (-0.33, 24.71)	NS
Sale, 2013	High	Step (Step width)	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-50.7 (-69.08, -32.32)	**Control (Treadmill training)**
Sale, 2013	High	Step (Step length- Left (mm))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-22.8 (-117.12, 71.52)	NS
Sale, 2013	High	Step (Step length- Right (mm))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	7.3 (-80.19, 94.79)	NS
Sale, 2013	High	Stride (Stride Length- Left)	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-61.1 (-261.86, 139.66)	NS
Sale, 2013	High	Stride (Stride Length- Right)	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-93 (-269.50, 83.50)	NS
Sale, 2013	High	Stance duration (Stance time- Left (% stride))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-1.5 (-5.40, 2.40)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sale, 2013	High	Swing (Swing time- Left (% stride))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	1.5 (-2.40, 5.40)	NS
Sale, 2013	High	Stance duration (Stance time- Right (% stride))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-3.87 (-7.08, -0.66)	**Robot-assisted gait training**
Sale, 2013	High	Swing (Swing time- Right (% stride))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	2.87 (-0.34, 6.08)	NS
Sale, 2013	High	Double support (Double support- Left (% stride))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-1.37 (-5.27, 2.53)	NS
Sale, 2013	High	Double support (Double support- Right (% stride))	.	Robot-assisted gait training: 40min, 5x/week, 4 weeks	Control (Treadmill training): 40min, 5x/week, 4 weeks	Mean Difference	-2.5 (-6.01, 1.01)	NS
Picelli, 2012	High	Balance (BBS)	.	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Balance (BBS)	1 mos	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Stability (Nutt's rating (NUTT))	.	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2012	High	Stability (Nutt's rating (NUTT))	1 mos	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Balance (ABC)	.	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Balance (ABC)	1 mos	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Mobility (TUG)	.	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Mobility (TUG)	1 mos	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Walk test (10MWT time)	.	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Walk test (10MWT time)	1 mos	Robot-Assisted Gait Training (Gait-Trainer GT1): 40min, 3x/week, 4 weeks	Control (Physical therapy): 40min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kurtais, 2008	Moderate	Walk test (20m walk test (sec))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	0.5 (-2.20, 3.20)	NS
Kurtais, 2008	Moderate	Turning (Timed U-turn task (sec))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	-0.9 (-2.66, 0.86)	NS
Kurtais, 2008	Moderate	Turning (Turning around chair (sec))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	-2.6 (-8.43, 3.23)	NS
Kurtais, 2008	Moderate	Mobility (Climbing up/down flight of stairs (sec))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	0.2 (-3.46, 3.86)	NS
Kurtais, 2008	Moderate	Mobility (Arising from armless chair (sec))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	-0.4 (-0.96, 0.16)	NS
Kurtais, 2008	Moderate	Stance duration (Standing on one foot- Right (sec))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	-5.3 (-24.27, 13.67)	NS
Kurtais, 2008	Moderate	Stance duration (Standing on one foot- Left (sec))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	-3.1 (-24.72, 18.52)	NS
Kurtais, 2008	Moderate	Mobility (Global Assessment (Better)- Standing up from chair)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	11.00(1.67,72.40)	**Treadmill gait training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kurtais, 2008	Moderate	Mobility (Global Assessment (Same)- Standing up from chair)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	0.09(0.01,0.60)	**Treadmill gait training**
Kurtais, 2008	Moderate	Mobility (Global Assessment (Worse)- Standing up from chair)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RD	0.00(0.00,0.00)	NS
Piemonte, 2015	High	Gait speed (Gait speed (20m walk) (m/s))	2 days	Gait training with DMCS (Declarative Memory Cue Strategy): 2x/week, 4 weeks	Control (Gait training without DMCS): 2x/week, 4 weeks	Author Reported - ANOVA, Turkey HSD; p < 0.001	N/A	
Piemonte, 2015	High	Gait speed (Gait speed (20m walk) (m/s))	60 days	Gait training with DMCS (Declarative Memory Cue Strategy): 2x/week, 4 weeks	Control (Gait training without DMCS): 2x/week, 4 weeks	Author Reported - ANOVA, Turkey HSD; p < 0.001	N/A	
Piemonte, 2015	High	Walk test (Number of steps (20m walk))	2 days	Gait training with DMCS (Declarative Memory Cue Strategy): 2x/week, 4 weeks	Control (Gait training without DMCS): 2x/week, 4 weeks	Author Reported - ANOVA, Turkey HSD; p < 0.001	N/A	

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Piemonte, 2015	High	Walk test (Number of steps (20m walk))	60 days	Gait training with DMCS (Declarative Memory Cue Strategy): 2x/week, 4 weeks	Control (Gait training without DMCS): 2x/week, 4 weeks	Author Reported - ANOVA, Turkey HSD; p < 0.001	N/A	
Piemonte, 2015	High	UPDRS II ( )	2 days	Gait training with DMCS (Declarative Memory Cue Strategy): 2x/week, 4 weeks	Control (Gait training without DMCS): 2x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
Piemonte, 2015	High	UPDRS II ( )	60 days	Gait training with DMCS (Declarative Memory Cue Strategy): 2x/week, 4 weeks	Control (Gait training without DMCS): 2x/week, 4 weeks	Author Reported - ANOVA	N/A	NS
De Luca, 2020	Moderate	ADL (FIM)	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	672.80(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	ADL (FIM (Cognitive))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	0.20(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Luca, 2020	Moderate	ADL (FIM (Motor))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	15.30(.,.)	NS
De Luca, 2020	Moderate	Mobility (TUG (Right))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	6.80(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Mobility (TUG (Left))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	7.50(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Walk test (10MWT (Time 1))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	5.80(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Walk test (10MWT (Time 2))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	3.40(.,.)	**Gait training with music therapy favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Luca, 2020	Moderate	Walk test (10MWT (Time 3))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	2.20(.,.)	NS
Peppe, 2019	High	Gait velocity (Velocity)	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	Stride (Stride Length- Right)	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	Stride (Stride Length- Left)	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	Stance duration (Right stance duration (% cycle))	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	Stance duration (Left stance duration (% cycle))	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Peppe, 2019	High	Double support (Double support time R (%))	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Peppe, 2019	High	Double support (Double support time L (%))	.	Active Equitasi Device: 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Placebo (Sham stimulation): 1-4hr, 6x/wk, 8 weeks (2 sets w/ 4wk washout)	Author Reported	N/A	NS
Burt, 2020	Moderate	Walk test (10MWT time)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Walk test (10MWT time)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Walk test (10MWT (steps))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Walk test (10MWT (steps))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Dual task efficiency (Dual task (time))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Dual task efficiency (Dual task (time))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burt, 2020	Moderate	Step (Dual task steps)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Step (Dual task steps)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Dual task efficiency (Dual task (names generated))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Dual task efficiency (Dual task (names generated))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Dual task cost (Dual task cost (time))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Dual task cost (Dual task cost (time))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Step (Dual task cost (steps))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burt, 2020	Moderate	Step (Dual task cost (steps))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Steib, 2017	High	Gait speed (Comfortable gait speed (m/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Steib, 2017	High	Gait speed (Comfortable gait speed (m/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Steib, 2017	High	Gait speed (Fast gait speed (m/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Steib, 2017	High	Gait speed (Fast gait speed (m/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Steib, 2017	High	Walk test (2MWT (m))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Steib, 2017	High	Walk test (2MWT (m))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Steib, 2017	High	Gait speed (Treadmill training speed (m/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - ANOVA	N/A	NS
Steib, 2017	High	Mobility (TUG)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Mobility (TUG)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest Dynamic Gait)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Steib, 2017	High	Balance (Mini BESTest Dynamic Gait)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest Reactive Balance)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest Reactive Balance)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest Anticipatory Postural Adjustments)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest Anticipatory Postural Adjustments)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (Mini BESTest Sensory Orientation)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Steib, 2017	High	Balance (Mini BESTest Sensory Orientation)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- Velocity (mm/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- Velocity (mm/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- RMS (mm))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes opened- RMS (mm))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- Velocity (mm/s))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- Velocity (mm/s))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- RMS (mm))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Amount of sway (COP sway, Eyes closed- RMS (mm))	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (ABC)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS
Steib, 2017	High	Balance (ABC)	12 wks	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Control (Conventional treadmill training): 40min, 2x/week, 8 weeks	Author Reported - Wilcoxin, MWU test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Gait speed (Overground walking speed (m/s))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Gait speed (Overground walking speed (m/s))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Amount of sway (vCOP (mm/s))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Amount of sway (vCOP (mm/s))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Amount of sway (Center of pressure sway area)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Amount of sway (Center of pressure sway area)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride length)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride length)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Step (Step width)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Step width)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride time)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Stride time)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Double support (Double support (% gait cycle))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Double support (Double support (% gait cycle))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Cadence)	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Cadence)	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Stride (Variability stride length (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Variability stride length (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Variability step width (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Variability step width (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Stride (Variability stride time (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stride (Variability stride time (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Double support (Variability double limb support (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Double support (Variability double limb support (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Step (Variability cadence (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Variability cadence (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Symmetry step length (cm))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Symmetry step length (cm))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Klamroth, 2016	High	Step (Symmetry step time (ms))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Step (Symmetry step time (ms))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stance duration (Symmetry stance phase (%))	.	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS
Klamroth, 2016	High	Stance duration (Symmetry stance phase (%))	10 min	Treadmill training with perturbations: Three 5min sessions at 70% of self-selected comfortable overground walking speed	Control (Treadmill training without perturbations): Three 5min sessions at 70% of self-selected comfortable overground walking speed	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Gait speed (Comfortable gait speed (m/s))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Gait speed (Comfortable gait speed (m/s))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Stride (Comfortable gait: Stride length (m))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Stride (Comfortable gait: Stride length (m))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Double support (Comfortable gait: Double support time (% GCT))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Double support (Comfortable gait: Double support time (% GCT))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Gait speed (Dual task gait: Gait speed (m/s))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Gait speed (Dual task gait: Gait speed (m/s))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Stride (Dual task stride length)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Stride (Dual task stride length)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Double support (Dual task gait: Double support time (% GCT))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Double support (Dual task gait: Double support time (% GCT))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Balance (Mini BESTest)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Balance (Mini BESTest)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Mobility (5T Sit-to-Stand)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Mobility (5T Sit-to-Stand)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Fall Fear/Risk (FES-I)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Fall Fear/Risk (FES-I)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Walk test (2MWT (m))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Walk test (2MWT (m))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	FOG (NFOGQ)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	FOG (NFOGQ)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Gait assessment (Ziegler)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Gait assessment (Ziegler)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Table 127126: PICO 7a- Gait training vs. Control- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gasner, 2019	Moderate	LEDD ( )	.	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	-13 (-210.21, 184.21)	NS
Gasner, 2019	Moderate	LEDD ( )	3 mos	Perturbation treadmill training: 30min, 2x/week, 8 weeks	Control (Conventional treadmill training): 30min, 2x/week, 8 weeks	Mean Difference	38 (-174.00, 250.00)	NS

Table 128127: PICO 7a- Gait training vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Furnari, 2017	Moderate	Depression (GDS)	.	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	0.30(.,.)	NS
Furnari, 2017	Moderate	Depression (GDS)	3 mos	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported	1.10(.,.)	NS
De Luca, 2020	Moderate	Anxiety (Psychological General Well Being Index Anxiety)	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	1394.40(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Depression (Psychological General Well Being Index Depressive Mood)	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	952.20(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Psychological General Well Being Index ( )	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	667.00(.,.)	**Gait training with music therapy favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Luca, 2020	Moderate	Psychological General Well Being Index (Psychological General Well Being Index Vitality)	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	627.20(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Psychological General Well Being Index (Psychological General Well Being Index Positivity)	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	911.20(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Psychological General Well Being Index (Psychological General Well Being Index Self-control)	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	44.00(., .)	NS
De Luca, 2020	Moderate	Coping competence (Brief COPE (Self distraction))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	48.00(., .)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Acrive coping))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	32.50(., .)	**Gait training with music therapy favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Luca, 2020	Moderate	Coping competence (Brief COPE (Denial))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	6.00(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Substance use))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	18.00(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Use of emotional support))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	36.40(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Behavioral disengagement))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	43.50(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Use of intrumental support))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	1.50(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Luca, 2020	Moderate	Coping competence (Brief COPE (Venting))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	1.00(.,.)	NS
De Luca, 2020	Moderate	Coping competence (Brief COPE (Positive reframing))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	12.80(.,.)	NS
De Luca, 2020	Moderate	Coping competence (Brief COPE (Planning))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	6.60(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Humor))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	0.80(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Acceptance))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	10.50(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Luca, 2020	Moderate	Coping competence (Brief COPE (Religion))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	0.00(.,.)	**Gait training with music therapy favored over Control**
De Luca, 2020	Moderate	Coping competence (Brief COPE (Self-blame))	.	Gait training with Biodex Gait Trainer 3 (treadmill integrated with music therapy): 30min, 3x/wk, 8 weeks	Control (Traditional overground gait training): 30min, 3x/wk, 8 weeks	Author Reported - ANOVA	0.10(.,.)	NS
Burt, 2020	Moderate	Depression (GDS)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Depression (GDS)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Anxiety (BAI)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Anxiety (BAI)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burt, 2020	Moderate	Cognition (MMSE)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (MMSE)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (MoCA)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (MoCA)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Attention Network Test (Accuracy %))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Attention Network Test (Accuracy %))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (HVLT-R Total Recall (T score))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burt, 2020	Moderate	Cognition (HVLT-R Total Recall (T score))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (HVLT-R Delayed Recall (T score))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (HVLT-R Delayed Recall (T score))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (HVLT-R Recognition Discrimination (T score))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (HVLT-R Recognition Discrimination (T score))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Stroop Color Naming)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Stroop Color Naming)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burt, 2020	Moderate	Cognition (Stroop (word reading, total score))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Stroop (word reading, total score))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Stroop Color-Word)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Stroop Color-Word)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (TMT A)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (TMT A)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (TMT B)	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Burt, 2020	Moderate	Cognition (TMT B)	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Digit Ordering Test (total score))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Digit Ordering Test (total score))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Digit Ordering Test (maximum span))	6 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Burt, 2020	Moderate	Cognition (Digit Ordering Test (maximum span))	12 wks	Music-Contingent Gait Feedback Training: 12 weeks	Control (Non-contingent music walking): 6 weeks control; 6 weeks intervention	Author Reported	N/A	NS
Ginis, 2016	High	Cognition (Color Trail Test- A (sec))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Cognition (Color Trail Test- A (sec))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Cognition (Color Trail Test- B (sec))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Cognition (Color Trail Test- B (sec))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Cognition (Verbal fluency- Sit (#))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Cognition (Verbal fluency- Sit (#))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Cognition (Verbal fluency- Walk (#))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	Cognition (Verbal fluency- Walk (#))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Table 129128: PICO 7a- Gait training vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	HR (bpm) ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-0.21 (-10.86, 10.44)	NS
De Melo, 2018	High	Blood pressure (BP max)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	2.21 (-12.51, 16.93)	NS
De Melo, 2018	High	Blood pressure (BP min)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	1.58 (-7.54, 10.70)	NS
De Melo, 2018	High	SpO2 ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.25 (-1.43, 1.93)	NS
De Melo, 2018	High	HR (bpm) ( )	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-2.79 (-13.02, 7.44)	NS
De Melo, 2018	High	Blood pressure (BP max)	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-1.33 (-14.30, 11.64)	NS
De Melo, 2018	High	Blood pressure (BP min)	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-1.43 (-12.78, 9.92)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	SpO2 ( )	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.96 (-0.53, 2.45)	NS
Morrone, 2016	High	Posture (Kyphosis angle (°))	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon signed rank test; p = 0.035	N/A	**Su-Per group favored over Physical therapy**
Morrone, 2016	High	Posture (Kyphosis angle (°))	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Morrone, 2016	High	Posture (Lordosis angle (°))	3 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Morrone, 2016	High	Posture (Lordosis angle (°))	7 wks	Surfaces for Perceptive Rehabilitation (Su-Per): 45min, 3x/week, 4 weeks	Control (Conventional physical therapy): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Blood pressure (SBP (mmHg))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	-0.34 (-11.89, 11.21)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Blood pressure (DBP (mmHg))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	-2.64 (-9.30, 4.02)	NS
Ganesan, 2014	Moderate	Blood pressure (LFsbp (mmHg2))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	0.94 (-1.68, 3.56)	NS
Ganesan, 2014	Moderate	Baroreflex sensitivity (BRS (md/mmHg))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	4.03 (1.64, 6.42)	**Partial weight supported treadmill gait training (PWSTT)**
Ganesan, 2014	Moderate	Blood pressure (SBP (mmHg))	4 wks	Conventional gait training (CGT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	3.87 (-8.64, 16.38)	NS
Ganesan, 2014	Moderate	Blood pressure (DBP (mmHg))	4 wks	Conventional gait training (CGT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	0.21 (-7.97, 8.39)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Blood pressure (LFsbp (mmHg2))	4 wks	Conventional gait training (CGT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	1.13 (-1.49, 3.75)	NS
Ganesan, 2014	Moderate	Baroreflex sensitivity (BRS (md/mmHg))	4 wks	Conventional gait training (CGT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Control (No intervention)	Mean Difference	-0.02 (-2.97, 2.93)	NS
Kurtais, 2008	Moderate	Energy expenditure (MET (Metabolic equivalents))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	0.8 (-1.72, 3.32)	NS

Table 130129: PICO 7a- Gait training vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Furnari, 2017	Moderate	PDQ-39 ( )	3 mos	Robotic-Asssisted Gait Training (RAGT) + Conventional exercise program: 1hr, 6x/wk, 4 weeks	Control (Overground gait training + Conventional exercise program): 1hr, 6x/wk, 4 weeks	Author Reported - p = 0.09	N/A	NS
Carpinella, 2017	High	PDQ-39 ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-14.6 (-30.16, 0.96)	NS
Carpinella, 2017	High	PDQ-39 ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Mean Difference	-8.4 (-24.63, 7.83)	NS
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Better)- General Physical Status)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	3.67(1.36,9.91)	**Treadmill gait training**
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Better)- Walking (General))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	3.67(1.36,9.91)	**Treadmill gait training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Better)-Walking outside)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	3.33(1.21,9.17)	**Treadmill gait training**
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Better)-Arising from bed)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	9.00(1.34,60.46)	**Treadmill gait training**
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Same)-General Physical Status)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	0.14(0.02,0.99)	**Treadmill gait training**
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Same)-Walking (General))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	0.11(0.02,0.75)	**Treadmill gait training**
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Same)-Walking outside)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	0.22(0.06,0.82)	**Treadmill gait training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Same)- Arising from bed)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RR	0.27(0.10,0.74)	**Treadmill gait training**
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Worse)- General Physical Status)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RD	-0.17(-0.38,0.04)	NS
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Worse)- Walking (General))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RD	0.00(0.00,0.00)	NS
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Worse)- Walking outside)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RD	0.00(0.00,0.00)	NS
Kurtais, 2008	Moderate	Patient Global Assessment (Global Assessment (Worse)- Arising from bed)	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	RD	0.00(0.00,0.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	SF-36 (SF-36 Total)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	SF-36 (SF-36 Total)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	SF-36 (SF-36 PCS)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	SF-36 (SF-36 PCS)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	SF-36 (SF-36 MCS)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	SF-36 (SF-36 MCS)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Table 131130: PICO 7a- Gait training vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	BORG ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-0.17 (-1.24, 0.90)	NS
De Melo, 2018	High	BORG ( )	1 mos	Treadmill gait training: 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-0.82 (-1.77, 0.13)	NS
Kurtais, 2008	Moderate	Exercise (Exercise duration (min))	.	Treadmill gait training: 40min, 3x/week, 6 weeks	Control (No exercise training)	Mean Difference	2.5 (0.18, 4.82)	**Treadmill gait training**
Ginis, 2016	High	PASE ( )	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS
Ginis, 2016	High	PASE ( )	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Author Reported	N/A	NS

Figure 29: Meta-analysis- UPDRS III (post)

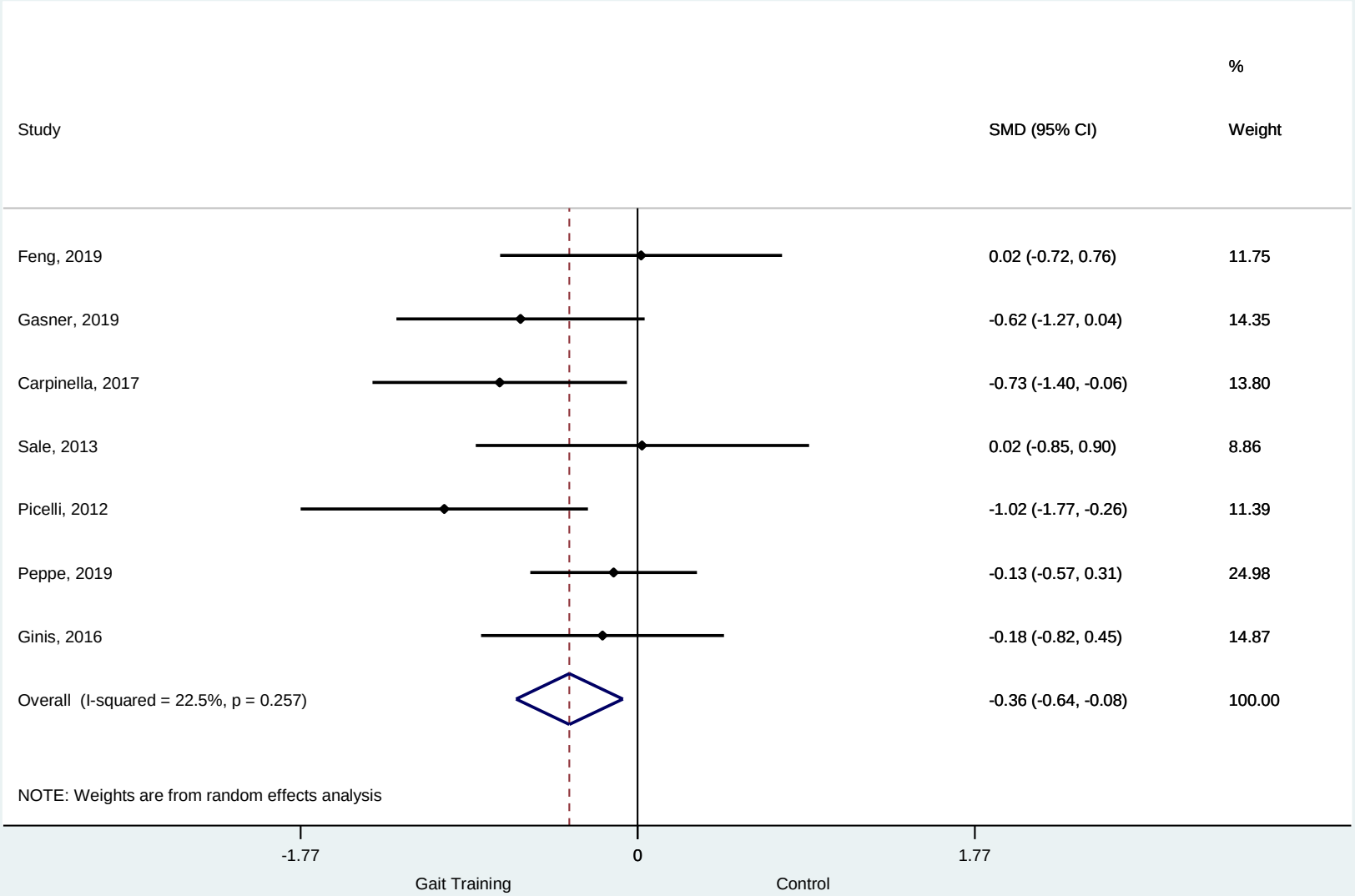

Figure 30: Meta-analysis- Gait velocity (post)

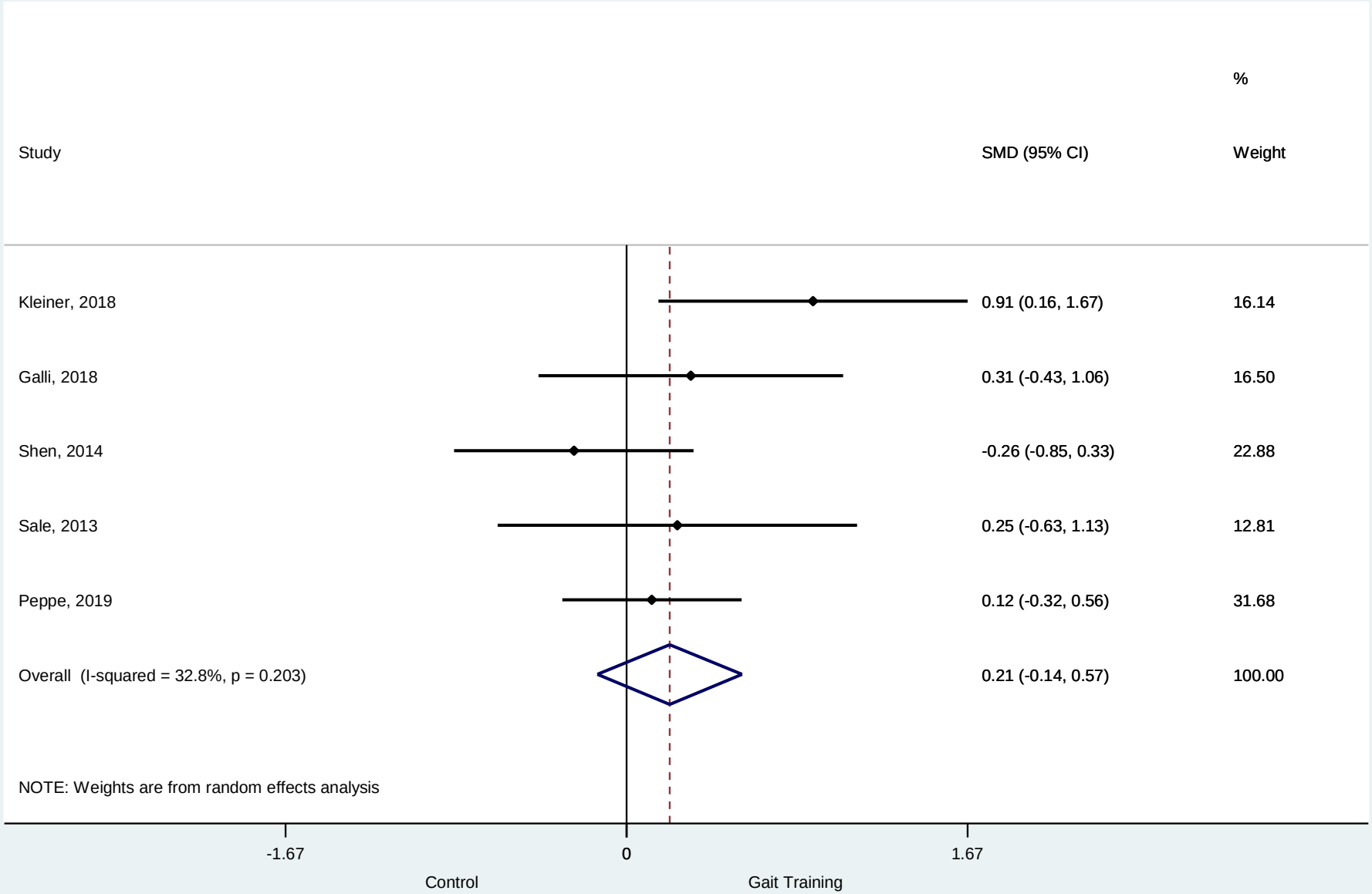

Figure 31: Meta-analysis- Double Support Time (post)

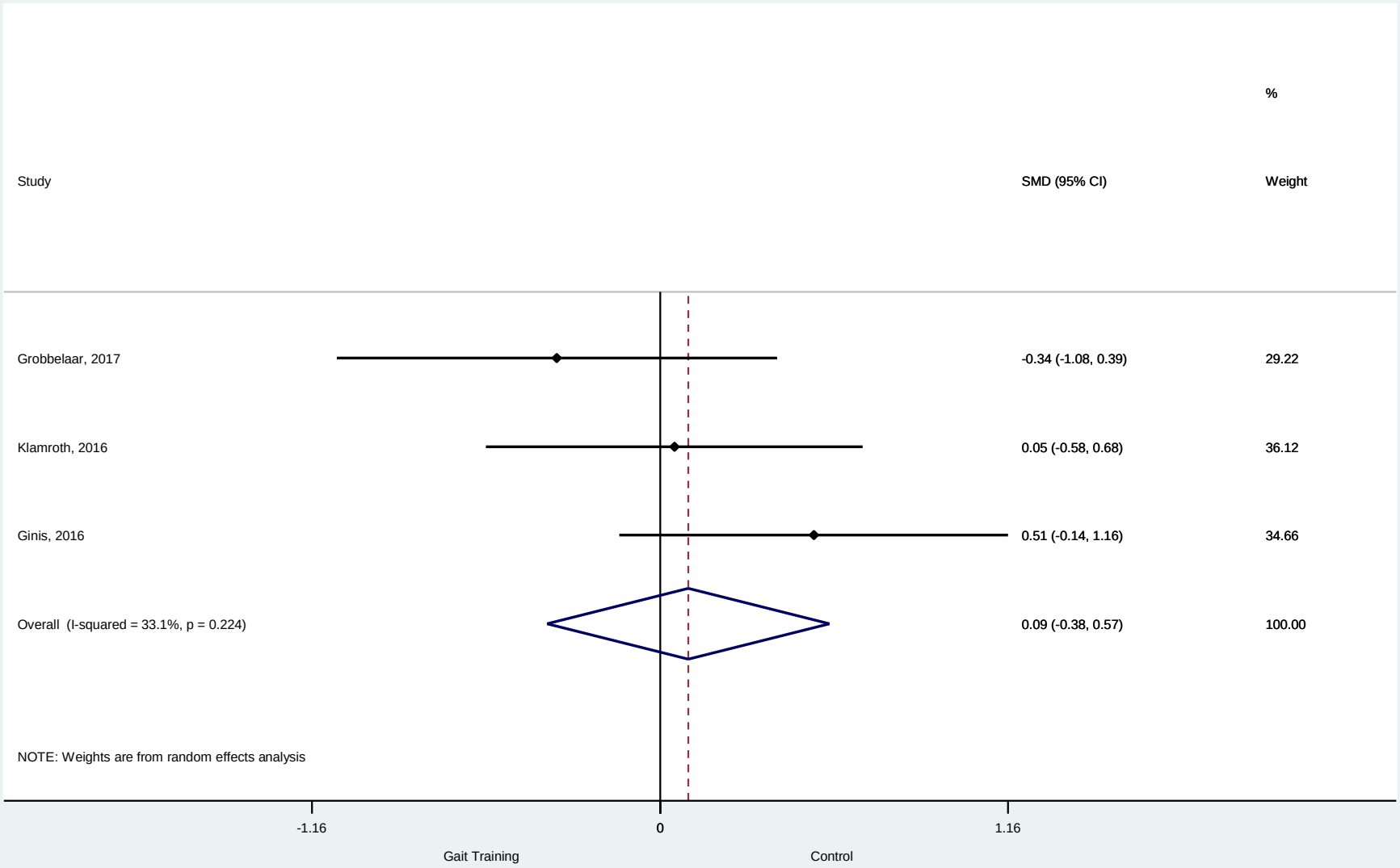

Figure 32: Meta-analysis- Gait Speed (post)

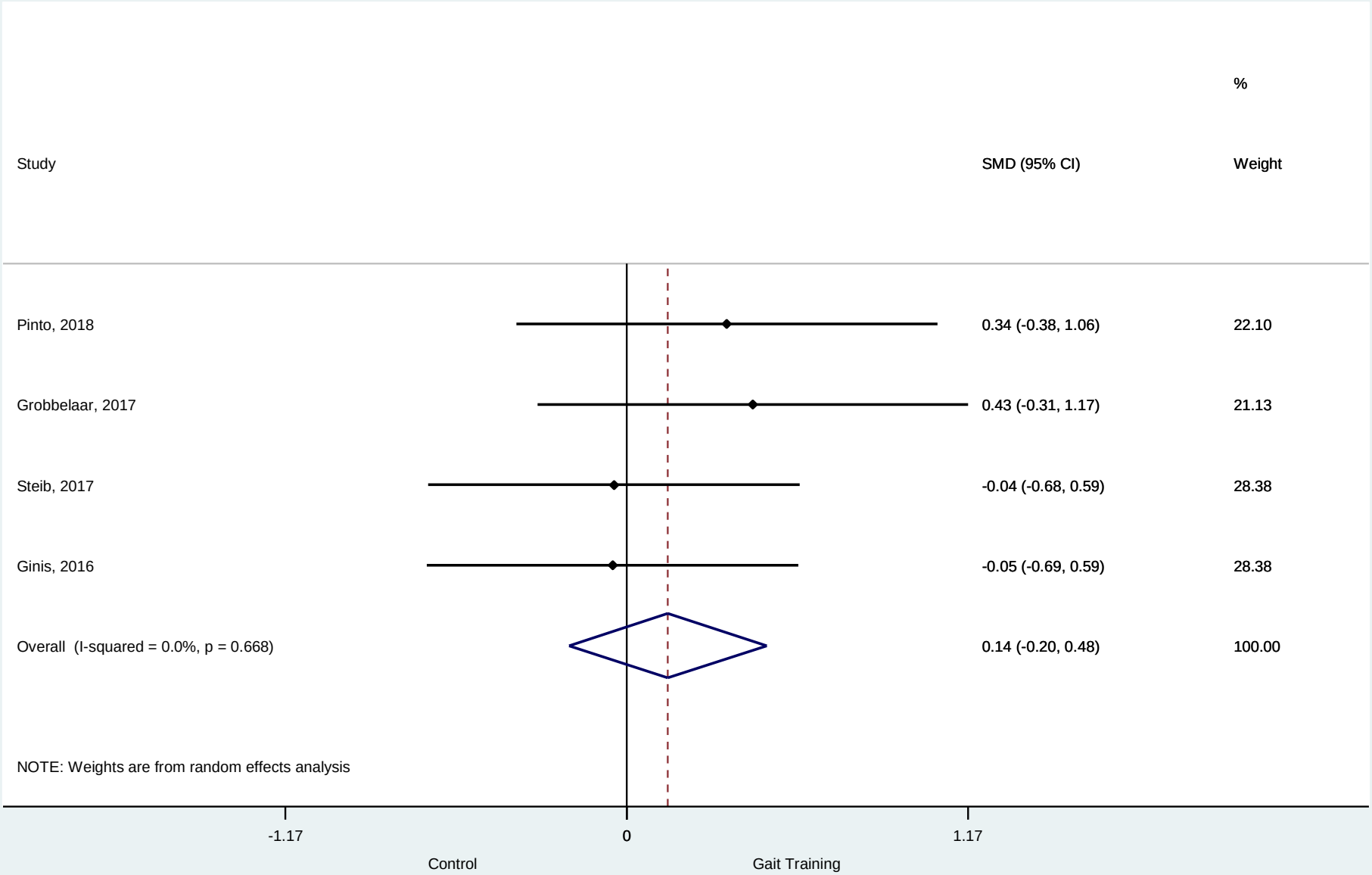

Figure 33: Meta-analysis- Stride Length (post)

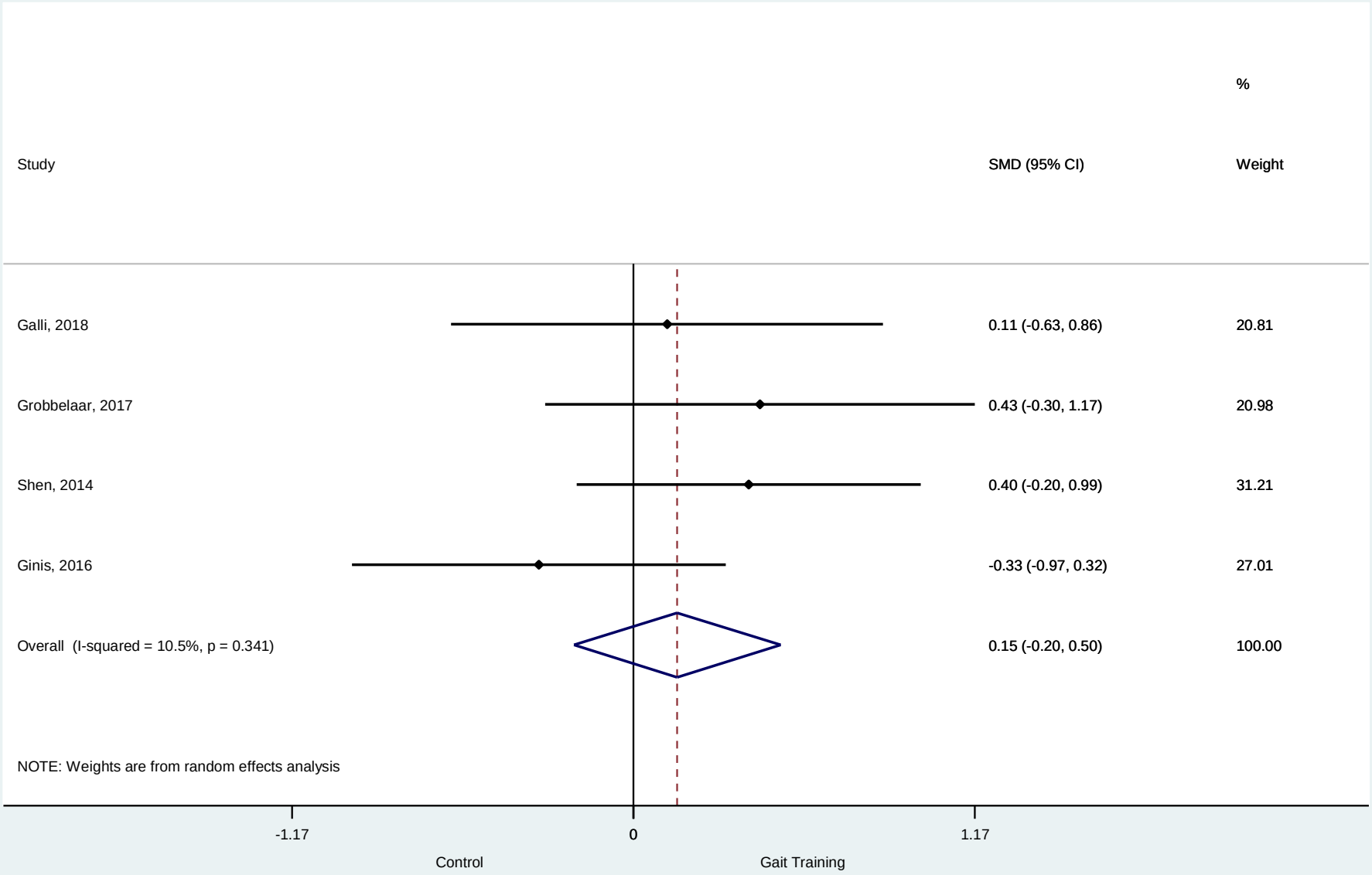

Figure 34: Meta-analysis- TUG (post)

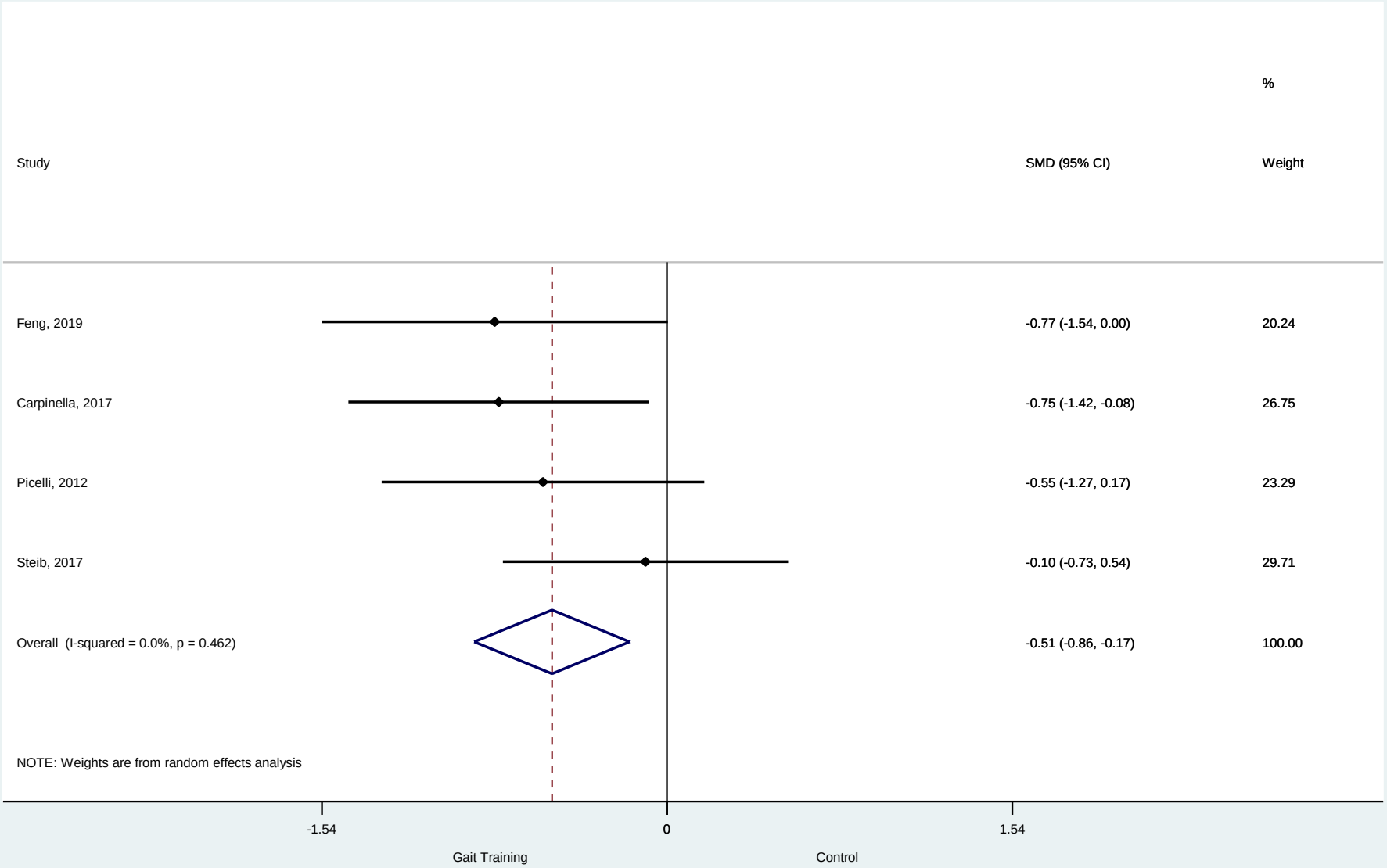

Table 132131: PICO 7b- Gait training vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2015	High	UPDRS III ( )	.	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test, p = 0.862	N/A	NS
Picelli, 2015	High	UPDRS III ( )	1 mos	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test, p = 0.579	N/A	NS
Picelli, 2012	High	UPDRS Total ( )	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	UPDRS Total ( )	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Serrao, 2019	High	UPDRS III ( )	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS

Table 133132: PICO 7b- Gait training vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2015	High	Balance (BBS)	.	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test, p = 0.741	N/A	NS
Picelli, 2015	High	Balance (BBS)	1 mos	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test, p = 0.937	N/A	NS
Picelli, 2015	High	Balance (ABC)	.	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test, p = 0.352	N/A	NS
Picelli, 2015	High	Balance (ABC)	1 mos	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test, p = 0.928	N/A	NS
Picelli, 2015	High	Mobility (TUG)	.	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test	N/A	NS
Picelli, 2015	High	Mobility (TUG)	1 mos	Robotic gait training: 45min, 3x/week, 4 weeks	Balance training: 45min, 3x/week, 4 weeks	Author Reported - MW U test	N/A	NS
Picelli, 2012	High	Walk test (10MWT (m/s))	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Walk test (10MWT (m/s))	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Walk test (6MWT (m))	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Walk test (6MWT (m))	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Stride (Stride length)	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Stride (Stride length)	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Step (Cadence)	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Step (Cadence)	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2012	High	Double support (Single/double support duration)	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Double support (Single/double support duration)	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Stride (Stride time CV (%))	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Stride (Stride time CV (%))	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Gait speed (Speed (m/s))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Stance duration (Right stance duration (% cycle))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Stance duration (Left stance duration (% cycle))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Double support (Double support time R (%))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Double support (Double support time L (%))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Gait assessment (Spatial asymmetry)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Gait assessment (Temporal asymmetry)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Step (Cadence)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Step (Right step length (m))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	Step (Left step length (m))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Serrao, 2019	High	Step (Step width)	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Trunk flexion-extension ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Trunk bending ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Trunk rotation ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Right hip rotation ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Left hip rotation ROM (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Knee rotation ROM (°) (right))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Knee rotation ROM (°) (left))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Right ankle rotation (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS
Serrao, 2019	High	ROM (Left ankle rotation (°))	8 wks	Combined exercise program (Progressive Modular Rebalancing (PMR) and Gait training)): 1hr (40min PMR, 20 min gait training), 3x/wk, 8 weeks	Conventional physiotherapy: 1hr, 3x/wk, 8 weeks	Author Reported	N/A	NS

Table 134133: PICO 7b- Gait training vs. Other- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2012	High	Fatigue (PFS-16)	.	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2012	High	Fatigue (PFS-16)	1 mos	Robotic Stepper Training: 45min, 3x/week, 4 weeks	Physiotherapy with active joint mobilization & conventional gait training: 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Figure 35: Meta-analysis- TUG (post)

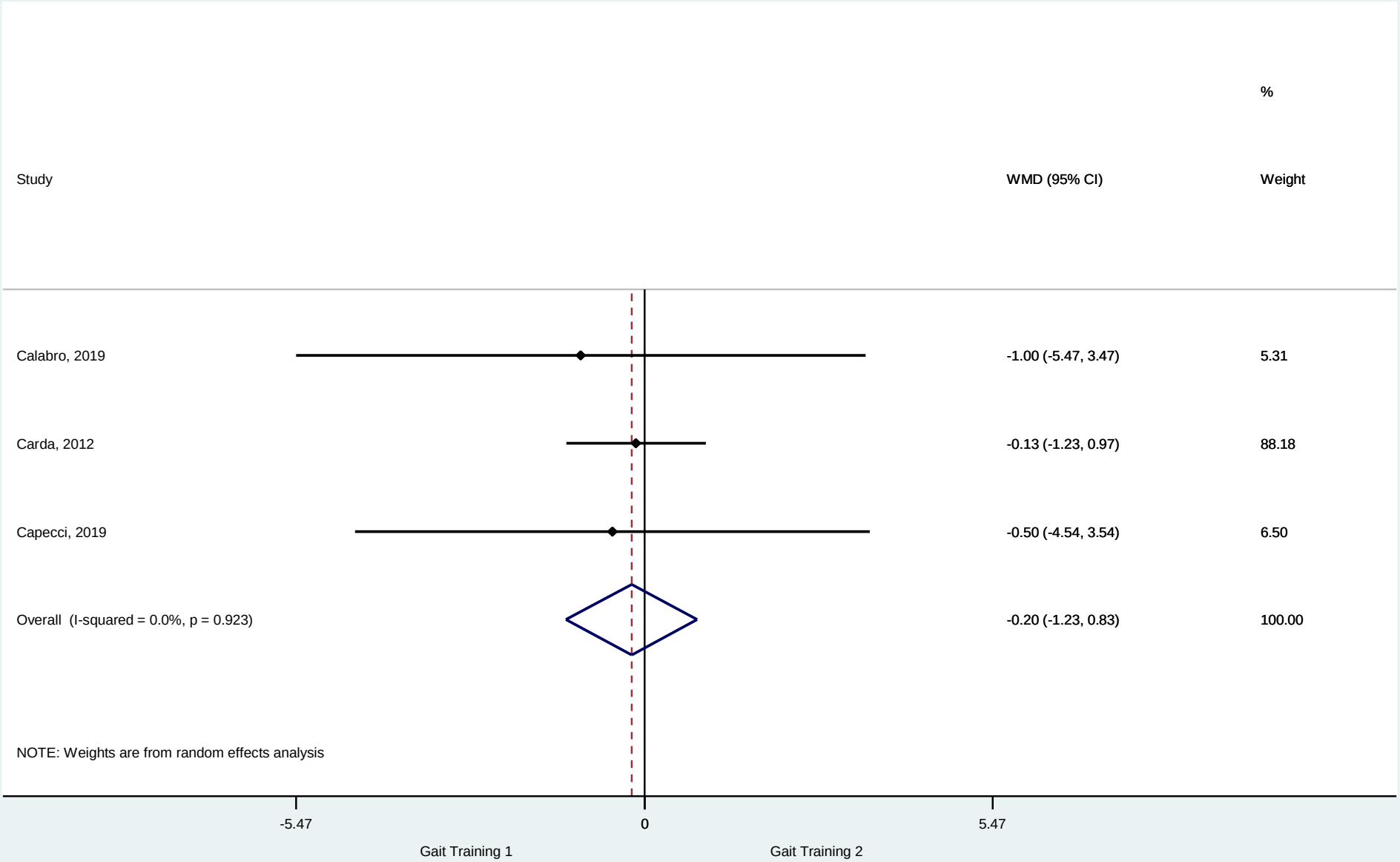

Figure 36: Meta-analysis- 6MWT (post)

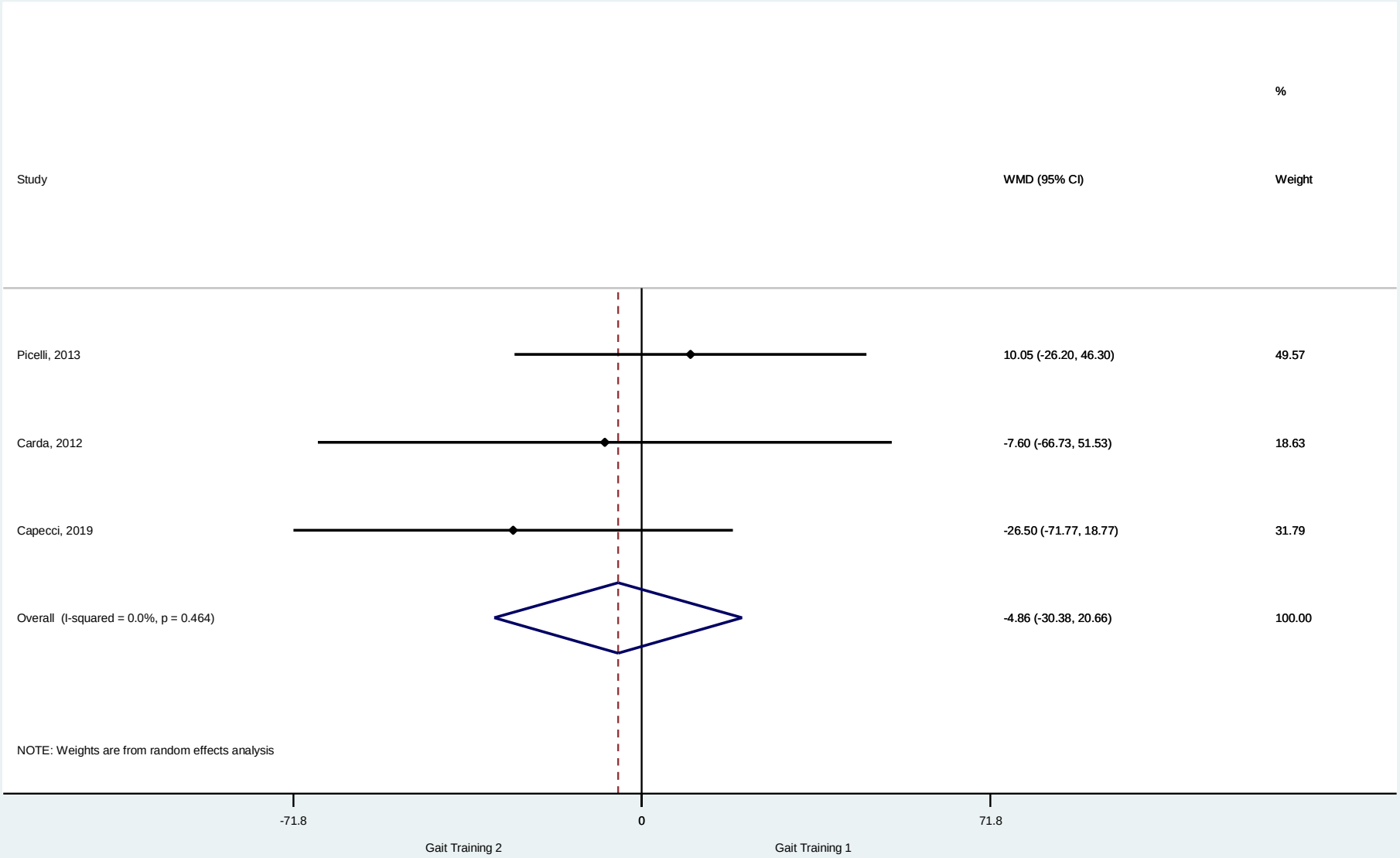

Table 135134: PICO 7c- Gait training vs. Gait training- Aerobic levels

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fernandez-Del-Olmo, 2014	Moderate	Respiratory exchange ratio ( )	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	Respiratory exchange ratio ( )	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS

Table 136135: PICO 7c- Gait training vs. Gait training- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	UPDRS Total ( )	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-4 (-7.70, -0.30)	**RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3)**
Ganesan, 2014	Moderate	UPDRS III ( )	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Picelli, 2013	High	UPDRS Total ( )	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	UPDRS Total ( )	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	UPDRS Total ( )	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	UPDRS Total ( )	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	UPDRS Total ( )	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	UPDRS Total ( )	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	UPDRS III ( )	.	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	UPDRS III ( )	3 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	UPDRS III ( )	6 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Capecci, 2019	High	UPDRS Total ( )	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capecci, 2019	High	UPDRS III ( )	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS

Table 137136: PICO 7c- Gait training vs. Gait training- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	Walk test (10MWT time)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	0.2 (-2.31, 2.71)	NS
Calabro, 2019	Moderate	Balance (BBS)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	1 (-3.47, 5.47)	NS
Calabro, 2019	Moderate	Fall Fear/Risk (FES)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-3 (-7.99, 1.99)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	Gait assessment (FGA)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	2 (0.89, 3.11)	**RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3)**
Calabro, 2019	Moderate	Mobility (TUG)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-1 (-5.47, 3.47)	NS
Calabro, 2019	Moderate	Gait assessment (GQI (Gait Quality Index) (%))	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	5 (-0.27, 10.27)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	SSR (stance-swing) (ratio) ( )	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	0.1 (-0.01, 0.21)	NS
Calabro, 2019	Moderate	Step (Step cadence (Hz))	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-0.1 (-0.21, 0.01)	NS
Calabro, 2019	Moderate	Stride (Stride length)	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	3 (-0.06, 6.06)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Calabro, 2019	Moderate	Gait speed (Gait cycle duration (sec))	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	-0.02 (-0.13, 0.09)	NS
Calabro, 2019	Moderate	Gait speed ( )	.	RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3): 195min training + 30min RAS training, 5/week, 8 weeks	Non-RAS treadmill gait training (GaitTrainer3): 195min training + 30min non-RAS training, 5/week, 8 weeks	Mean Difference	0.1 (0.04, 0.16)	**RAS (Rhythmic Auditory Stimulation) treadmill gait training (GaitTrainer3)**
De Melo, 2018	High	Walk test (6MWT distance)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	34.77 (-32.97, 102.51)	NS
De Melo, 2018	High	Symmetry (6MWT)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	2.47 (-3.31, 8.25)	NS
De Melo, 2018	High	Gait speed (Speed (m/s))	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	0.17 (-0.16, 0.50)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Galli, 2016	High	Stance duration (% Stance (% gait cycle))	.	Robot-assisted gait training: 45min, 5x/week, 4 weeks	Intensive treadmill therapy training: 45min, 5x/week, 4 weeks	Author Reported - MWU test	N/A	NS
Galli, 2016	High	Gait velocity (Mean velocity (m/s))	.	Robot-assisted gait training: 45min, 5x/week, 4 weeks	Intensive treadmill therapy training: 45min, 5x/week, 4 weeks	Author Reported - MWU test	N/A	**Robot-assisted therapy favored over Intensive treadmill therapy**
Galli, 2016	High	Step (Step length)	.	Robot-assisted gait training: 45min, 5x/week, 4 weeks	Intensive treadmill therapy training: 45min, 5x/week, 4 weeks	Author Reported - MWU test	N/A	**Intensive treadmill therapy favored over Robot-assisted therapy**
Galli, 2016	High	Step (Step width)	.	Robot-assisted gait training: 45min, 5x/week, 4 weeks	Intensive treadmill therapy training: 45min, 5x/week, 4 weeks	Author Reported - MWU test	N/A	NS
Galli, 2016	High	Step (Cadence)	.	Robot-assisted gait training: 45min, 5x/week, 4 weeks	Intensive treadmill therapy training: 45min, 5x/week, 4 weeks	Author Reported - MWU test	N/A	**Robot-assisted therapy favored over Intensive treadmill therapy**
Ganesan, 2014	Moderate	Balance (Overall Balance Index)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Anterior Posterior Stability Index)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Medial Lateral Stability Index)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Balance (BBS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Tinetti Assessment Tool (TAT) (POMA: Gait (Tinetti Performance-Oriented Mobility Assessment))	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Tinetti Assessment Tool (TAT) (POMA: Balance)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Time to complete LOS test)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported	N/A	NS
Ganesan, 2014	Moderate	Stability (Total LOS score)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Right LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Stability (Left LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward-Right LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Forward-Left LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward-Right LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS
Ganesan, 2014	Moderate	Stability (Backward-Left LOS)	4 wks	Partial Weight-Supported Treadmill Training (PWSTT): 30min, 4x/wk, 4 weeks; unloading of 20% of body weight	Conventional Gait Training: 30min, 4x/wk, 4 weeks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	Walk test (10MWT (m/s))	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (10MWT (m/s))	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (6MWT (m))	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (6MWT (m))	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride length)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride length)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Step (Cadence)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	Step (Cadence)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Double support (Single/double support duration)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Double support (Single/double support duration)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride time CV (%))	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride time CV (%))	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Balance (BBS)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Balance (BBS)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	Walk test (10MWT (m/s))	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (10MWT (m/s))	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (6MWT (m))	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (6MWT (m))	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride length)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride length)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Step (Cadence)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	Step (Cadence)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Double support (Single/double support duration)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Double support (Single/double support duration)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride time CV (%))	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride time CV (%))	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Balance (BBS)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Balance (BBS)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	Walk test (10MWT (m/s))	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (10MWT (m/s))	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (6MWT (m))	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Walk test (6MWT (m))	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride length)	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride length)	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Step (Cadence)	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	Step (Cadence)	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Double support (Single/double support duration)	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Double support (Single/double support duration)	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride time CV (%))	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Stride (Stride time CV (%))	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Balance (BBS)	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Balance (BBS)	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Carda, 2012	High	Walk test (6MWT (m))	.	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Walk test (6MWT (m))	3 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Walk test (6MWT (m))	6 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Walk test (10MWT time)	.	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Walk test (10MWT time)	3 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Walk test (10MWT time)	6 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Mobility (TUG)	.	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Mobility (TUG)	3 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	Mobility (TUG)	6 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capecci, 2019	High	Walk test (6MWT (m))	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS
Capecci, 2019	High	Mobility (TUG)	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS
Capecci, 2019	High	Walk test (10MWT (m/s))	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS
Capecci, 2019	High	FOG ( )	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS
Capecci, 2019	High	UPDRS II (UPDRS II (Item 14: Freezing))	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS
Capecci, 2019	High	Walk test (Walking Handicap Scale)	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Capecci, 2019	High	UPDRS II ( )	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stride (Stride length)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stride (Stride time)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stance duration (Stance time (% of gait cycle))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Swing (Swing time (% of gait cycle))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stride (Stride length CV)	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stride (Stride time CV (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stance duration (Stance time CV (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Steib, 2019	High	Swing (Swing time CV (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Step (Step length asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Step (Step time asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Stance duration (Stance time asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Steib, 2019	High	Swing (Swing time asymmetry (%))	.	Perturbed treadmill training: 40min, 2x/week, 8 weeks	Conventional treadmill training: 40min, 2x/week, 8 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Gait speed (Gait speed (Usual walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Stride (Stride length (Usual walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Gait speed (Gait speed (Dual task walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Stride (Stride length (Dual task walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Maidan, 2018	Moderate	Falls (Fall rate)	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	Gait speed (Speed (m/s))	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	Step (Cadence)	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	Stride (Stride length)	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	Stride (Stride time variability (%))	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS

Table 138137: PICO 7c- Gait training vs. Gait training- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Picelli, 2013	High	Fatigue (PFS-16)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Fatigue (PFS-16)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Fatigue (PFS-16)	.	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Fatigue (PFS-16)	3 mos	Robotic Gait Training (Gait Trainer GT1): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Fatigue (PFS-16)	.	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS
Picelli, 2013	High	Fatigue (PFS-16)	3 mos	Treadmill Training (without body-weight support): 45min, 3x/week, 4 weeks	Physical Therapy (Conventional Gait Training): 45min, 3x/week, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Maidan, 2018	Moderate	Cognition (Executive function)	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS

Table 139138: PICO 7c- Gait training vs. Gait training- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	HR (bpm) ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	2.58 (-7.61, 12.77)	NS
De Melo, 2018	High	Blood pressure (BP max)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	3.54 (-10.95, 18.03)	NS
De Melo, 2018	High	Blood pressure (BP min)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	3.01 (-9.11, 15.13)	NS
De Melo, 2018	High	SpO2 ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	-0.71 (-2.14, 0.72)	NS
Ganesan, 2014	Moderate	Blood pressure (SBP (mmHg))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Conventional gait training (CGT): 30min, 4x/week, 4 weeks	Mean Difference	-4.21 (-17.63, 9.21)	NS
Ganesan, 2014	Moderate	Blood pressure (DBP (mmHg))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Conventional gait training (CGT): 30min, 4x/week, 4 weeks	Mean Difference	-2.85 (-10.37, 4.67)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ganesan, 2014	Moderate	Blood pressure (LFsbp (mmHg2))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Conventional gait training (CGT): 30min, 4x/week, 4 weeks	Mean Difference	-0.19 (-3.19, 2.81)	NS
Ganesan, 2014	Moderate	Baroreflex sensitivity (BRS (md/mmHg))	4 wks	Partial weight supported treadmill gait training (PWSTT): 30min, 4x/week, 4 weeks; unloading of 20% of body weight	Conventional gait training (CGT): 30min, 4x/week, 4 weeks	Mean Difference	4.05 (0.96, 7.14)	**Partial weight supported treadmill gait training (PWSTT)**
Fernandez-Del-Olmo, 2014	Moderate	Energy expenditure ( )	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	Energy expenditure ( )	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	HR (bpm) (HR (bpm))	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	Energy expenditure (Energy expenditure (Walking at preferred speed))	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fernandez-Del-Olmo, 2014	Moderate	Energy expenditure (Energy expenditure (Walking at preferred speed))	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS
Fernandez-Del-Olmo, 2014	Moderate	HR (bpm) (HR (bpm) (Walking at preferred speed))	.	Treadmill training: 3x/week, 5 weeks	Overground training: 3x/week, 5 weeks	Author Reported - T test	N/A	NS

Table 140139: PICO 7c- Gait training vs. Gait training- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Carda, 2012	High	SF-12 (SF-12 PCS)	.	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	SF-12 (SF-12 PCS)	3 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	SF-12 (SF-12 PCS)	6 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	SF-12 (SF-12 MCS)	.	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	SF-12 (SF-12 MCS)	3 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Carda, 2012	High	SF-12 (SF-12 MCS)	6 mos	Robotic Gait Training (Lokomat): 30min, 3x/week, 4 weeks	Conventional Treadmill Gait Training: 30min, 3x/week, 4 weeks	Author Reported	N/A	NS
Capecci, 2019	High	PDQ-39 ( )	.	Robot-Assisted Gait Training End-effector robotic device (G-EO system)): 45min, 5x/wk, 4 weeks	Treadmill Training: 45min, 5x/wk, 4 weeks	Author Reported	N/A	NS

Table 141140: PICO 7c- Gait training vs. Gait training- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	BORG ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	0.65 (-0.42, 1.72)	NS

PICO 8

Table 142141: PICO 8a- Task specific training vs. Control- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vanbellingen, 2017	High	Total duration (Total training time (min))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported	N/A	NS
Braun, 2011	Moderate	Sessions completed (Supervised physiotherapy treatments (number/participant))	6 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	0 (-1.98, 1.98)	NS
Braun, 2011	Moderate	Sessions completed (Independent practice sessions (number/participant))	6 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	33 (5.26, 60.74)	**Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor))**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
McDonald, 2020	Moderate	Adherence to program ("most or everyday")	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	RD	.(.,.)	NS

Table 143142: PICO 8a- Task specific training vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chivers Seymour, 2019	Moderate	Adverse events (Total adverse events)	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	RR	0.56(0.23,1.35)	NS

Table 144143: PICO 8a- Task specific training vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	UPDRS III ( )	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.81 (-5.19, 3.57)	NS
Barboza, 2019	High	UPDRS III ( )	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-2.85 (-8.13, 2.43)	NS
Barboza, 2019	High	UPDRS Total ( )	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-2.6 (-9.32, 4.12)	NS
Barboza, 2019	High	UPDRS Total ( )	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-4.59 (-12.12, 2.94)	NS
Vanbellingen, 2017	High	UPDRS III ( )	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vanbellingen, 2017	High	UPDRS III ( )	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Morris, 2015	High	UPDRS III ( )	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-1.6 (-3.94, 0.74)	NS
Morris, 2015	High	UPDRS III ( )	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-3.1 (-5.49, -0.71)	**Movement Strategy Training**
Troche, 2015	High	UPDRS III ( )	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	-2.6 (-7.29, 2.09)	NS
Soke, 2019	Moderate	UPDRS III (UPDRS III-Pull test)	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported - MWU test p = 0.032	N/A	
Soke, 2019	Moderate	UPDRS III ( )	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Soke, 2019	Moderate	UPDRS Total ( )	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2020	High	UPDRS III (MDS-UPDRS III)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	0.84 (-2.44, 4.12)	NS
King, 2020	High	PIGD ( )	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-0.35 (-1.32, 0.62)	NS
Ophey, 2020	Moderate	UPDRS III ( )	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	UPDRS III ( )	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Beck, 2020	High	UPDRS III (UPDRS III (off medication))	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=1.0, ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2020	High	UPDRS III (UPDRS III (on medication))	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=1.0, ANCOVA	N/A	NS
Vorasoot, 2020	High	UPDRS III ( )	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Speech))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Facial expression))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Tremor at rest))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Action or postural tremor of hands))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vorasoot, 2020	High	UPDRS III (UPDRS III (Rigidity))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Finger taps))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Hand movements))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Rapid alternating movements of hands))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Leg agility))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Arising from chair))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vorasoot, 2020	High	UPDRS III (UPDRS III (Posture))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Gait))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Postural stability))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS
Vorasoot, 2020	High	UPDRS III (UPDRS III (Body bradykinesia and hypokinesia))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS

Table 145144: PICO 8a- Task specific training vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chivers Seymour, 2019	Moderate	Balance (Mini BESTest)	6 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	1.9 (0.68, 3.12)	**PDSAFE phsyiotherapy program (fall avoidance strategy training program)**
Chivers Seymour, 2019	Moderate	Balance (Mini BESTest)	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	0.5 (-1.17, 2.17)	NS
Chivers Seymour, 2019	Moderate	Fall Fear/Risk (FES-I)	6 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	-2.8 (-4.96, -0.64)	**PDSAFE phsyiotherapy program (fall avoidance strategy training program)**
Chivers Seymour, 2019	Moderate	Fall Fear/Risk (FES-I)	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	-2.4 (-5.21, 0.41)	NS
Chivers Seymour, 2019	Moderate	Mobility (30S Chair Stand Test (reps))	6 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Author Reported - MWU test, p = 0.041	N/A	**PDSAFE favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chivers Seymour, 2019	Moderate	Mobility (30S Chair Stand Test (reps))	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Author Reported - MWU test	N/A	NS
Chivers Seymour, 2019	Moderate	Falls (Falls rate)	6 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	0.7 (-3.64, 5.04)	NS
Chivers Seymour, 2019	Moderate	Falls (Falls rate)	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	-0.1 (-3.99, 3.79)	NS
Barboza, 2019	High	UPDRS II ( )	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-1.77 (-4.64, 1.10)	NS
Barboza, 2019	High	UPDRS II ( )	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-1.74 (-4.73, 1.25)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2017	Moderate	Handwriting performance (Automatization task- Stroke duration (sec))	.	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, p= 0.004	N/A	**Placebo group favored over Handwriting training group**
Nackaerts, 2017	Moderate	Handwriting performance (Automatization task- Stroke (writing) duration (sec))	6 wks	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, p=0.015	N/A	**Placebo group favored over Handwriting training group**
Nackaerts, 2017	Moderate	Handwriting performance (Automatization task- Writing velocity (cm/s))	.	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, no p-value	N/A	NS
Nackaerts, 2017	Moderate	Handwriting performance (Automatization task- Writing velocity (cm/s))	6 wks	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis; no p-value	N/A	NS
Nackaerts, 2017	Moderate	Handwriting performance (Automatization task- Normalized jerk)	.	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, p= 0.027	N/A	**Placebo group favored over Handwriting training group**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2017	Moderate	Handwriting performance (Automatization task-Normalized jerk)	6 wks	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis	N/A	NS
Nackaerts, 2017	Moderate	Handwriting performance (Transfer task-Stroke duration (sec))	.	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, p= 0.001	N/A	
Nackaerts, 2017	Moderate	Handwriting performance (Transfer task-Stroke duration (sec))	6 wks	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, p= 0.002	N/A	
Nackaerts, 2017	Moderate	Handwriting performance (Transfer task-Writing velocity (cm/s))	.	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, no p-value	N/A	NS
Nackaerts, 2017	Moderate	Handwriting performance (Transfer task-Writing velocity (cm/s))	6 wks	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, no p-value	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2017	Moderate	Handwriting performance (Transfer task-Normalized jerk)	.	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, p= 0.012	N/A	
Nackaerts, 2017	Moderate	Handwriting performance (Transfer task-Normalized jerk)	6 wks	Hand writing training: 30min, 5x/week, 6 weeks	Placebo (Stretch and relaxtion exercises): 30min, 5x/week, 6 weeks	Author Reported - Post hoc analysis, p= 0.052	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (9-HPT (sec))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (9-HPT (sec))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (9-HPT (Left))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (9-HPT (Left))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vanbellingen, 2017	High	Hand/UE dexterity (9-HPT (Right))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (9-HPT (Right))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	ADL (DextQ-24)	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	ADL (DextQ-24)	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (Coin Rotation Task)	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (Coin Rotation Task)	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (Coin Rotation Task (Left))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vanbellingen, 2017	High	Hand/UE dexterity (Coin Rotation Task (Left))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (Coin Rotation Task (Right))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Hand/UE dexterity (Coin Rotation Task (Right))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Strength/Power (Grip strength)	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Strength/Power (Grip strength)	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Strength/Power (Grip strength (Left))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Strength/Power (Grip strength (Left))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vanbellingen, 2017	High	Strength/Power (Grip strength (Right))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	Strength/Power (Grip strength (Right))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	UPDRS II ( )	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	UPDRS II ( )	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Walton, 2018	Moderate	Mobility (TUG: Time spent frozen (on medication))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-7.04 (-15.90, 1.82)	NS
Walton, 2018	Moderate	Mobility (TUG: Time spent frozen (off medication))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-7.5 (-21.21, 6.21)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Taghizadeh, 2018	Moderate	Sensory function (Hand Active Sensation Test (Dominant hand) (# matches))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Sensory function (Hand Active Sensation Test (Non-dominant hand) (# matches))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Sensory function (Wrist Proprioception Sensation Test (Dominant hand) (# errors))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Sensory function (Wrist Proprioception Sensation Test (Non-dominant hand) (# errors))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Sensory function (Weinstein Enhanced Sensory Test (Non-dominant hand))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Taghizadeh, 2018	Moderate	Hand/UE dexterity (Purdue Pegboard Test (Dominant hand))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Hand/UE dexterity (Purdue Pegboard Test (Non-dominant hand))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Hand/UE dexterity (Purdue Pegboard Test (Both hands))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Hand/UE dexterity (Purdue Pegboard Test (Assembly))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Hand/UE dexterity (Box and block test (Dominant hand))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Hand/UE dexterity (Box and block test (Non-dominant hand))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (single task))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (dual task))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (trained, with cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (trained, without cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (untrained, with cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (untrained, without cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (single task))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (dual task))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (trained, with cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (trained, without cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (untrained, with cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (untrained, without cues))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (single task))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (dual task))	.	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (single task))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (dual task))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (trained, with cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (trained, without cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (untrained, with cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (untrained, without cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (single task))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (dual task))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (trained, with cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (trained, without cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (untrained, with cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (untrained, without cues))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Nackaerts, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (single task))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Nackaerts, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (dual task))	6 wks	Amplitude training focused at improving writing size: 30 min/day, 5 days/wk for 6 wks	Placebo (Stretch and relaxation exercise): 30 min/day, 5 days/wk for 6 wks	Author Reported - Friedman ANOVA or Mann-Whitney U test	N/A	NS
Morris, 2015	High	Falls (Falls rate)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-472 (-477.00, -467.00)	**Movement Strategy Training**
Morris, 2015	High	Falls (Fallers)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	7 (-15.44, 29.44)	NS
Morris, 2015	High	UPDRS II ( )	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-1.3 (-3.57, 0.97)	NS
Morris, 2015	High	UPDRS II ( )	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-2.8 (-5.30, -0.30)	**Movement Strategy Training**
Morris, 2015	High	Gait speed (Walking speed)	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	0.14 (0.03, 0.25)	**Movement Strategy Training**
Morris, 2015	High	Gait speed (Walking speed)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	0.14 (0.01, 0.27)	**Movement Strategy Training**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2015	High	Mobility (TUG)	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-0.6 (-2.79, 1.59)	NS
Morris, 2015	High	Mobility (TUG)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-4 (-9.48, 1.48)	NS
Pena, 2014	High	WHODAS 2.0 ( )	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	-4.1 (-5.13, -3.07)	**Cognitive training (REHACOP)**
Braun, 2011	Moderate	Walk test (Patient-rated VAS Walking (cm) (All patients))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-1 (-1.76, -0.24)	**Control group (Physiotherapy and Relaxation)**
Braun, 2011	Moderate	Walk test (Patient-rated VAS Walking (cm) (All patients))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-1.4 (-2.76, -0.04)	**Control group (Physiotherapy and Relaxation)**
Braun, 2011	Moderate	Walk test (Therapist-rated VAS Walking (cm) (All patients))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-1.4 (-2.28, -0.52)	**Control group (Physiotherapy and Relaxation)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Braun, 2011	Moderate	Walk test (Therapist-rated VAS Walking (cm) (All patients))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-1.4 (-2.60, -0.20)	**Control group (Physiotherapy and Relaxation)**
Braun, 2011	Moderate	Mobility (TUG (sec) (All patients))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	0.8 (-4.58, 6.18)	NS
Braun, 2011	Moderate	Mobility (TUG (sec) (All patients))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	8.6 (-5.63, 22.83)	NS
Braun, 2011	Moderate	Walk test (10MWT (sec) (All patients))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	0.5 (-3.49, 4.49)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Braun, 2011	Moderate	Walk test (10MWT (sec) (All patients))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	3.5 (-2.94, 9.94)	NS
Braun, 2011	Moderate	Walk test (Patient-rated VAS Walking (cm) (Hoehn and Yahr stage < 3))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-0.9 (-1.76, -0.04)	**Control group (Physiotherapy and Relaxation)**
Braun, 2011	Moderate	Walk test (Patient-rated VAS Walking (cm) (Hoehn and Yahr stage < 3))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-1.5 (-2.95, -0.05)	**Control group (Physiotherapy and Relaxation)**
Braun, 2011	Moderate	Walk test (Therapist-rated VAS Walking (cm) (Hoehn and Yahr stage < 3))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-1 (-1.85, -0.15)	**Control group (Physiotherapy and Relaxation)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Braun, 2011	Moderate	Walk test (Therapist-rated VAS Walking (cm) (Hoehn and Yahr stage < 3))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-0.7 (-1.83, 0.43)	NS
Braun, 2011	Moderate	Mobility (TUG (sec) (Hoehn and Yahr stage < 3))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-0.4 (-1.93, 1.13)	NS
Braun, 2011	Moderate	Mobility (TUG (sec) (Hoehn and Yahr stage < 3))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	1.1 (-0.77, 2.97)	NS
Braun, 2011	Moderate	Walk test (10MWT (sec) (Hoehn and Yahr stage < 3))	8 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-0.7 (-2.93, 1.53)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Braun, 2011	Moderate	Walk test (10MWT (sec) (Hoehn and Yahr stage < 3))	13 wks	Experimental group (Physiotherapy & Mental practice (improve locomotor tasks like walking, standing up from a chair or the floor)): 1hr/week, 6 weeks	Control group (Physiotherapy and Relaxation): 1hr/week, 6 weeks	Mean Difference	-0.2 (-1.80, 1.40)	NS
Troche, 2015	High	Penetration-aspiration score ( )	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	-1.23 (-2.01, -0.45)	**Control (Sham)**
Troche, 2015	High	Hyoid displacement (Swallow timing (Duration of hyoid displacement))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.07 (-0.34, 0.48)	NS
Troche, 2015	High	Hyoid displacement (Hyoid displacement (Onset of bolus transit))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.04 (-0.01, 0.09)	NS
Troche, 2015	High	Hyoid displacement (Hyoid displacement (UES-opening))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.03 (-0.26, 0.32)	NS
Troche, 2015	High	Hyoid displacement (Hyoid displacement (UES-widest))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.03 (-0.02, 0.08)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Troche, 2015	High	Hyoid displacement (Hyoid displacement (UES-closure))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.02 (-0.02, 0.06)	NS
Troche, 2015	High	Hyoid displacement (Hyoid displacement (Laryngeal closure))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.01 (-0.04, 0.06)	NS
Troche, 2015	High	Hyoid displacement (Hyoid displacement (Maximum laryngeal closure))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.02 (-0.03, 0.07)	NS
Troche, 2015	High	Hyoid displacement (Hyoid displacement (Laryngeal opening))	.	EMST (Expiratory muscle strength training): 20min, 5x/week, 4 weeks	Control (Sham): 20min, 5x/week, 4 weeks	Mean Difference	0.02 (-0.02, 0.06)	NS
Sackley, 2018	High	Voice Handicap Index (VHI) (VHI Total)	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	Control (No intervention)	Mean Difference	-13 (-26.19, 0.19)	NS
Sackley, 2018	High	Voice Handicap Index (VHI) (VHI Total)	3 mos	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Control (No intervention)	Mean Difference	-10 (-22.84, 2.84)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
El-Wishy, 2013	High	Gait speed (Speed (m/s))	.	Locomotor imagery training + Physical therapy: 25-30min, 3x/week, 4 weeks	Control (Physical therapy alone): Documentary television program, 4 weeks	Mean Difference	0.06 (-0.10, 0.22)	NS
El-Wishy, 2013	High	Step (Step length)	.	Locomotor imagery training + Physical therapy: 25-30min, 3x/week, 4 weeks	Control (Physical therapy alone): Documentary television program, 4 weeks	Mean Difference	0.05 (-0.22, 0.32)	NS
El-Wishy, 2013	High	ROM (Hip excursion (°))	.	Locomotor imagery training + Physical therapy: 25-30min, 3x/week, 4 weeks	Control (Physical therapy alone): Documentary television program, 4 weeks	Mean Difference	6.6 (1.47, 11.73)	**Locomotor imagery training + Physical therapy**
El-Wishy, 2013	High	ROM (Knee excursion (°))	.	Locomotor imagery training + Physical therapy: 25-30min, 3x/week, 4 weeks	Control (Physical therapy alone): Documentary television program, 4 weeks	Mean Difference	8.2 (2.18, 14.22)	**Locomotor imagery training + Physical therapy**
El-Wishy, 2013	High	ROM (Ankle excursion (°))	.	Locomotor imagery training + Physical therapy: 25-30min, 3x/week, 4 weeks	Control (Physical therapy alone): Documentary television program, 4 weeks	Mean Difference	4.4 (0.54, 8.26)	**Locomotor imagery training + Physical therapy**
El-Wishy, 2013	High	Gait assessment (FGA)	.	Locomotor imagery training + Physical therapy: 25-30min, 3x/week, 4 weeks	Control (Physical therapy alone): Documentary television program, 4 weeks	Mean Difference	3 (0.69, 5.31)	**Locomotor imagery training + Physical therapy**
Soke, 2019	Moderate	Balance (BBS)	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Soke, 2019	Moderate	Walk test (6MWT (m))	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Soke, 2019	Moderate	Stability (Postural Stability Test)	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported - MWU test, p = 0.003	N/A	
Soke, 2019	Moderate	Stability (Limits of Stability Test)	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported - MWU test, p = 0.004	N/A	
Soke, 2019	Moderate	Mobility (TUG)	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Soke, 2019	Moderate	Balance (ABC)	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS
Soke, 2019	Moderate	UPDRS II ( )	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2020	High	FOG (NFOGQ)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-1.82 (-3.28, -0.36)	**Agility Boot Camp-Cognitive (ABC-C) program**
King, 2020	High	Balance (ABC)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-3.36 (-9.55, 2.83)	NS
King, 2020	High	UPDRS II (MDS-UPDRS II)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-1.31 (-2.93, 0.31)	NS
King, 2020	High	Balance (Mini BESTest)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	1.68 (0.27, 3.09)	**Agility Boot Camp-Cognitive (ABC-C) program**
King, 2020	High	Gait speed (Dual task gait: Gait speed (m/s))	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	8.81 (5.10, 12.52)	**Agility Boot Camp-Cognitive (ABC-C) program**
King, 2020	High	Stride (Dual task stride length)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	3.9 (-0.36, 8.16)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	FOG ( )	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - p= 0.575	N/A	NS
Ophey, 2020	Moderate	FOG ( )	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - p= 0.886	N/A	NS
Ophey, 2020	Moderate	Everyday functioning ( )	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - p= 0.023	N/A	**Exp group favored over Control**
Ophey, 2020	Moderate	Everyday functioning ( )	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - p= 0.507	N/A	NS
Vorasoot, 2020	High	Handwriting performance (Time to complete handwriting test (sec))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vorasoot, 2020	High	Handwriting performance (Accuracy of handwriting test (Good + Fair) (dots))	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS

Table 146145: PICO 8a- Task specific training vs. Control- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2020	High	LEDD ( )	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=1.0, ANCOVA	N/A	NS

Table 147146: PICO 8a- Task specific training vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fellman, 2018	Moderate	Cognition (Trained WM task- 1-back digits)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (Trained WM task- 2-back with digits)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (Trained WM task- Selective updating of sentences)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (Trained WM task- Forward digit span)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (Task-specific near transfer outcome composite)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Fellman, 2018	Moderate	Cognition (Task-general near transfer outcome composite)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (Far transfer- Verbal episodic memory)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (Far transfer- Executive functioning and attention)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (BRIEF-A- Executive functioning composite)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Cognition (Working Memory Questionnaire- Composite)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS
Fellman, 2018	Moderate	Depression (GDS)	.	Working Memory Training (Home-based computerized training- 3 WM tasks): 30min, 3x/week, 5 weeks	Active Control (General knowledge online quiz): 30min, 3x/week, 5 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chivers Seymour, 2019	Moderate	Depression (GDS)	6 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	-0.2 (-0.74, 0.34)	NS
Chivers Seymour, 2019	Moderate	Depression (GDS)	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	-0.7 (-1.36, -0.04)	**PDSAFE phsyiotherapy program (fall avoidance strategy training program)**
Barboza, 2019	High	Cognition (Semantic Fluency)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	0.53 (-1.67, 2.73)	NS
Barboza, 2019	High	Cognition (Semantic Fluency)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.08 (-2.41, 2.25)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A1)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	0.38 (-0.96, 1.72)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A1)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.5 (-2.03, 1.03)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A2)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.69 (-2.35, 0.97)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A2)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.84 (-2.43, 0.75)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A3)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.23 (-1.84, 1.38)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A3)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.85 (-2.65, 0.95)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A4)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	0.15 (-1.49, 1.79)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A4)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	0.15 (-1.64, 1.94)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A5)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.62 (-2.36, 1.12)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A5)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.5 (-2.23, 1.23)	NS
Barboza, 2019	High	Cognition (RAVLT: List B- Attempt B1)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.04 (-1.02, 0.94)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	Cognition (RAVLT: List B- Attempt B1)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.12 (-1.20, 0.96)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A6)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.27 (-2.38, 1.84)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A6)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.69 (-2.97, 1.59)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A7)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-1.54 (-3.68, 0.60)	NS
Barboza, 2019	High	Cognition (RAVLT: List A- Attempt A7)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	-0.58 (-2.72, 1.56)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	Cognition (RAVLT: Recognition Memory)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	0.08 (-1.34, 1.50)	NS
Barboza, 2019	High	Cognition (RAVLT: Recognition Memory)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	0 (-1.09, 1.09)	NS
Barboza, 2019	High	Cognition (Picture (6 animals) (sec))	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (Picture (6 animals) (sec))	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (Picture (6 butterflies) (sec))	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	Cognition (Picture (6 butterflies) (sec))	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (Clox 1)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (Clox 1)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (Clox 2)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (Clox 2)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	Cognition (TMT A)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (TMT A)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (TMT B)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS
Barboza, 2019	High	Cognition (TMT B)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Author Reported - MWU test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2019	High	Cognition (Drawn pelvic dimensions: Width (cm))	.	Dynamic Neuro-cognitive Imagery (DNI) training (Enhancing pelvic-related knowledge, kinesthetic and proprioceptive sense, and spatial self-awareness): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Control (In-home learning & exercise): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Author Reported - ANOVA	N/A	NS
Abraham, 2019	High	Cognition (Drawn pelvic dimensions: Height (cm))	.	Dynamic Neuro-cognitive Imagery (DNI) training (Enhancing pelvic-related knowledge, kinesthetic and proprioceptive sense, and spatial self-awareness): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Control (In-home learning & exercise): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Author Reported - ANOVA	N/A	NS
Abraham, 2019	High	Cognition (Drawn pelvic dimensions: Width-Height difference (cm))	.	Dynamic Neuro-cognitive Imagery (DNI) training (Enhancing pelvic-related knowledge, kinesthetic and proprioceptive sense, and spatial self-awareness): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Control (In-home learning & exercise): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2019	High	Cognition (Drawn pelvic dimensions: Width:Height ratio)	.	Dynamic Neuro-cognitive Imagery (DNI) training (Enhancing pelvic-related knowledge, kinesthetic and proprioceptive sense, and spatial self-awareness): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Control (In-home learning & exercise): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Author Reported - ANOVA	N/A	NS
Abraham, 2019	High	Cognition (Pelvic Schema)	.	Dynamic Neuro-cognitive Imagery (DNI) training (Enhancing pelvic-related knowledge, kinesthetic and proprioceptive sense, and spatial self-awareness): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Control (In-home learning & exercise): 2hr, 5x/wk, 2 weeks (patients asked to attend minumum of 4 sessions/wk)	Author Reported - ANOVA	N/A	NS
Alloni, 2018	Moderate	Cognition (MMSE)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.6275	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (MMSE)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.26	N/A	NS
Alloni, 2018	Moderate	Cognition (MoCA)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.00028	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (MoCA)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0221	N/A	
Alloni, 2018	Moderate	Cognition (Digit Span Total)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.2353	N/A	NS
Alloni, 2018	Moderate	Cognition (Digit Span Total)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.076	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (CBTT (Corsi's block-tapping test))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.2996	N/A	NS
Alloni, 2018	Moderate	Cognition (CBTT (Corsi's block-tapping test))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0231	N/A	
Alloni, 2018	Moderate	Cognition (Verbal span)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.816	N/A	NS
Alloni, 2018	Moderate	Cognition (Verbal span)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 1	N/A	NS
Alloni, 2018	Moderate	Cognition (Rey's 15 Word Test (immediate recall))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0031	N/A	**Cognitive training favored over Sham control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (Rey's 15 Word Test (immediate recall))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0437	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (Rey's 15 Word Test (delayed recall))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.06247	N/A	NS
Alloni, 2018	Moderate	Cognition (Rey's 15 Word Test (delayed recall))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0452	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (Logical Memory Test (immediate recall))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0633	N/A	NS
Alloni, 2018	Moderate	Cognition (Logical Memory Test (immediate recall))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.7936	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (Logical Memory Test (delayed recall))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.2921	N/A	NS
Alloni, 2018	Moderate	Cognition (Logical Memory Test (delayed recall))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.2831	N/A	NS
Alloni, 2018	Moderate	Cognition (Raven's Matrices 1947)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0377	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (Raven's Matrices 1948)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0854	N/A	NS
Alloni, 2018	Moderate	Cognition (Weigl's Sorting Test)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.021	N/A	**Cognitive training favored over Sham control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (Weigl's Sorting Test)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0154	N/A	
Alloni, 2018	Moderate	Cognition (FAB (Frontal Assessment Battery))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.06504	N/A	NS
Alloni, 2018	Moderate	Cognition (FAB (Frontal Assessment Battery))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0839	N/A	NS
Alloni, 2018	Moderate	Cognition (TMT A)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0032	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (TMT A)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.009	N/A	**Cognitive training favored over Sham control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (TMT B)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.2651	N/A	NS
Alloni, 2018	Moderate	Cognition (TMT B)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.7713	N/A	NS
Alloni, 2018	Moderate	Cognition (Attentive Matrices)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.8423	N/A	NS
Alloni, 2018	Moderate	Cognition (Attentive Matrices)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.2824	N/A	NS
Alloni, 2018	Moderate	Cognition (Stroop (Time interference))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0015	N/A	**Cognitive training favored over Sham control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (Stroop (Time interference))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.008	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (Stroop (Error interference))	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0712	N/A	NS
Alloni, 2018	Moderate	Cognition (Stroop (Error interference))	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0278	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (Semantic Fluency)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.0315	N/A	**Cognitive training favored over Sham control**
Alloni, 2018	Moderate	Cognition (Semantic Fluency)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.4329	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (Semantic Fluency)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.3275	N/A	NS
Alloni, 2018	Moderate	Cognition (Semantic Fluency)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.579	N/A	NS
Alloni, 2018	Moderate	Cognition (Rey's complex figure- copy)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.7205	N/A	NS
Alloni, 2018	Moderate	Cognition (Rey's complex figure- copy)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.192	N/A	NS
Alloni, 2018	Moderate	Cognition (Rey's complex figure with delayed recall)	.	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.9208	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Alloni, 2018	Moderate	Cognition (Rey's complex figure with delayed recall)	6 mos	Cognitive training (CoRe system): 45min, 3x/week, 4 weeks	Control (Sham): 45min, 3x/week, 4 weeks	Author Reported - Wilcoxon test, p = 0.3533	N/A	NS
Walton, 2018	Moderate	Cognition (MoCA)	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-0.37 (-2.82, 2.08)	NS
Walton, 2018	Moderate	Cognition (HVLT-R (Total))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-2.82 (-6.35, 0.71)	NS
Walton, 2018	Moderate	Cognition (HVLT-R (Delayed))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-1.2 (-3.36, 0.96)	NS
Walton, 2018	Moderate	Cognition ( )	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-2.08 (-4.27, 0.11)	NS
Walton, 2018	Moderate	Cognition (TMT A)	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-5.9 (-21.58, 9.78)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Walton, 2018	Moderate	Cognition (TMT B)	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	1.04 (-39.94, 42.02)	NS
Walton, 2018	Moderate	Cognition (Verbal fluency (Phonemic))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-6.14 (-12.98, 0.70)	NS
Walton, 2018	Moderate	Cognition (Verbal fluency (Semantic))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-3.8 (-10.37, 2.77)	NS
Walton, 2018	Moderate	Cognition (Verbal fluency-Switching (Total))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-1.23 (-3.39, 0.93)	NS
Walton, 2018	Moderate	Cognition (Verbal fluency-Switching (Accuracy))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-2.03 (-4.50, 0.44)	NS
Walton, 2018	Moderate	Cognition (SDMT (Total))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-1.02 (-8.53, 6.49)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Walton, 2018	Moderate	Cognition (Affective Go/No-go (AGN)-Latency)	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	32.01 (-36.43, 100.45)	NS
Walton, 2018	Moderate	Cognition (Affective Go/No-go (AGN)-Omissions)	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-0.11 (-4.16, 3.94)	NS
Walton, 2018	Moderate	Cognition (Affective Go/No-go (AGN)-Commissions)	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-1.67 (-4.65, 1.31)	NS
Walton, 2018	Moderate	HADS (Total) ( )	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-0.06 (-4.09, 3.97)	NS
Walton, 2018	Moderate	Behavior (Cambridge Behavioral Inventory (CBI))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	10.26 (-0.68, 21.20)	NS
Walton, 2018	Moderate	Sleep (SCOPA-Sleep (Day))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-0.12 (-2.37, 2.13)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Walton, 2018	Moderate	Sleep (SCOPA-Sleep (Night))	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	0.42 (-2.56, 3.40)	NS
Taghizadeh, 2018	Moderate	Cognition (Haptic Object Recognition Test (Dominant hand) (# errors))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Taghizadeh, 2018	Moderate	Cognition (Haptic Object Recognition Test (Non-dominant hand) (# errors))	.	Sensory Motor Training (Hand & Upper extremity): 1-3hrs, 5x/week, 2 weeks	Control (Standard rehabilitation)	Author Reported - T test	N/A	NS
Pena, 2014	High	Cognition (Processing speed (Trail Making Test-A & Salthouse Letter Comparison Test))	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	-0.01 (-0.13, 0.11)	NS
Pena, 2014	High	Cognition (Verbal memory (Hopkins Verbal Learning Test))	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	0.2 (0.08, 0.32)	**Cognitive training (REHACOP)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pena, 2014	High	Cognition (Visual memory (Brief Visual Memory Test))	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	0.01 (-0.05, 0.07)	NS
Pena, 2014	High	Cognition (Executive function)	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	0 (-0.12, 0.12)	NS
Pena, 2014	High	Cognition (Theory of mind (Happe Test)- Fallers)	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	0.74 (0.52, 0.96)	**Cognitive training (REHACOP)**
Pena, 2014	High	Depression (GDS)	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	-1.77 (-2.19, -1.35)	**Cognitive training (REHACOP)**
Pena, 2014	High	NPI-Q (Neuropsychiatric Inventory Questionnaire) ( )	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	-0.65 (-1.01, -0.29)	**Cognitive training (REHACOP)**
Pena, 2014	High	Apathy scale (LARS (Lille Apathy Rating Scale))	.	Cognitive training (REHACOP): 1hr, 3x/week, 3 months	Control (Occupational activities): 1hr, 3x/week, 3 months	Mean Difference	-0.55 (-1.22, 0.12)	NS
Petrelli, 2014	Moderate	Cognition (MMSE)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Overall cognitive function: DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Petrelli, 2014	Moderate	Cognition (Brief test of attention)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal short-term: DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal short-term: Memory)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - P=0.00, ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal long-term: DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal long-term: Memory)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Visual long-term: Complex figure (recall))	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Working memory: DemTect-Digit span reverse)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - P=0.03, ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Petrelli, 2014	Moderate	Cognition (Verbal fluency: Semantic DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal Fluency (FAS))	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Depression (BDI-II)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (MMSE)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Overall cognitive function: DemTect)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Brief test of attention)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal short-term: DemTect)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Petrelli, 2014	Moderate	Cognition (Verbal short-term: Memory)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal long-term: DemTect)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal long-term: Memory)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Visual long-term: Complex figure (recall))	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Working memory: DemTect-Digit span reverse)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal fluency: Semantic DemTect)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal Fluency (FAS))	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Petrelli, 2014	Moderate	Depression (BDI)	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - P=0.02, ANOVA	N/A	NS
King, 2020	High	Cognition (Dual task cognitive accuracy)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-6.84 (-15.58, 1.90)	NS
King, 2020	High	Cognition (SCOPA-COG)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	0.3 (-1.08, 1.68)	NS
King, 2020	High	Cognition (Stroop Interference)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-0.09 (-0.37, 0.19)	NS
King, 2020	High	Cognition (TMT B:A ratio)	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-0.166 (-0.47, 0.14)	NS
Ophey, 2020	Moderate	Cognition (Verbal working memory)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Verbal working memory)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (N-back verbal)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (N-back verbal)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Digit Span Forward)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Digit Span Forward)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Digit Span Backward)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Digit Span Backward)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Non-verbal working memory)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Non-verbal working memory)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (N-back non-verbal)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (N-back non-verbal)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Corsi block span forward)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Corsi block span forward)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Corsi block span backward)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Corsi block span backward)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Executive function)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Executive function)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (LPS (50+) Subtest 4; Leistungsprüfsystem, version 50+ (executive function))	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (LPS (50+) Subtest 4; Leistungsprüfsystem, version 50+ (executive function))	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Stroop Interference)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Stroop Interference)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (TMT B:A ratio)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (TMT B:A ratio)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Semantic Fluency)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Semantic Fluency)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Phonemic verbal fluency)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Phonemic verbal fluency)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Verbal Memory)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Verbal Memory)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Wordlist Learning)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Wordlist Learning)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Wordlist Recall)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Wordlist Recall)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Attention)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Attention)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (TMT A)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (TMT A)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Stroop Word Reading)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Stroop Word Reading)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Stroop Color Naming)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Stroop Color Naming)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Brief test of attention)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Brief test of attention)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Visuo-constructive Functions)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Visuo-constructive Functions)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Figure copying)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Figure copying)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Figure recall)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Figure recall)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Language)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Language)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Ophey, 2020	Moderate	Cognition (Boston Naming Test)	.	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ophey, 2020	Moderate	Cognition (Boston Naming Test)	3 mos	Computerized Working Memory Training (Online cognitive training program NeuroNation): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported	N/A	NS
Beck, 2020	High	Anxiety (Parkinson Anxiety Scale)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.054, ANCOVA	N/A	NS
Beck, 2020	High	Anxiety (PAS (Parkinson Anxiety Scale) Persistent)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.049, ANCOVA	N/A	NS
Beck, 2020	High	Anxiety (PAS (Parkinson Anxiety Scale) Episodic)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.046, ANCOVA	N/A	NS
Beck, 2020	High	Anxiety (PAS (Parkinson Anxiety Scale) Avoidance)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.331, ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2020	High	Cognition (MoCA)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.603, ANCOVA	N/A	NS
Beck, 2020	High	Anxiety (State Anxiety)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.267, ANCOVA	N/A	NS
Beck, 2020	High	Anxiety (Trait Anxiety)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.451, ANCOVA	N/A	NS
Beck, 2020	High	Cognition (Stroop Test)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.991, ANCOVA	N/A	NS
Beck, 2020	High	Cognition (TMT A)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.995, ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2020	High	Cognition (TMT B)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.647, ANCOVA	N/A	NS
Beck, 2020	High	Cognition (TMT B - TMT A)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.603, ANCOVA	N/A	NS
Beck, 2020	High	Cognition (Verbal Fluency (FAS))	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.241, ANCOVA	N/A	NS
Giehl, 2020	Moderate	Cognition (Object identification (%))	.	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS
Giehl, 2020	Moderate	Cognition (Object identification (%))	14 wks	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Giehl, 2020	Moderate	Cognition (Localization (°))	.	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS
Giehl, 2020	Moderate	Cognition (Localization (°))	14 wks	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS

Table 148147: PICO 8a- Task specific training vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Inspiratory Pressure (cmH2O))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Inspiratory Pressure (% predicted))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Expiratory Pressure (cmH2O))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Expiratory Pressure (% predicted))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2018	Moderate	Peak cough flow (Peak cough flow-Voluntary (L/s))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Peak cough flow (Peak cough flow-Reflex (L/s))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Vital capacity (Slow Vital Capacity (L))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Vital capacity (Forced Vital Capacity (L))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Inspiratory Pressure (cmH2O))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Inspiratory Pressure (% predicted))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Expiratory Pressure (cmH2O))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Expiratory Pressure (% predicted))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Peak cough flow (Peak cough flow-Voluntary (L/s))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Peak cough flow (Peak cough flow-Reflex (L/s))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2018	Moderate	Vital capacity (Slow Vital Capacity (L))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Reyes, 2018	Moderate	Vital capacity (Forced Vital Capacity (L))	2 mos	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Control (Expiratory muscle training at fixed resistance (Threshold PEP)): 6x/wk, 2 months	Author Reported	N/A	NS
Diez-Circada, 2017	High	Brain connectivity/activation (Resting state fMRI: Functional connectivity b/w Left interior temporal lobe and left & right dorsolateral prefrontal cortex)	.	Integrative cognitive rehabilitation program (REHACOP): 3 months	Control (Occupational therapy): 3 months	Author Reported - p = 0.03	N/A	**REHACOP favored over Control**
Diez-Circada, 2017	High	Brain connectivity/activation (Brain activation: Left middle temporal lobe)	.	Integrative cognitive rehabilitation program (REHACOP): 3 months	Control (Occupational therapy): 3 months	Author Reported - p < 0.05	N/A	**REHACOP favored over Control**
King, 2020	High	Brain connectivity/activation (Resting state fMRI (Right SMA-PPN))	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-0.112 (-0.23, 0.01)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2020	High	Brain connectivity/activation (Resting state fMRI (Left SMA-PPN))	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-0.025 (-0.16, 0.11)	NS
McDonald, 2020	Moderate	Bladder control (Number of voids in 24 hours)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	Bladder control (Number of voids in 24 hours)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	Bladder control (Average volume voided per micturition)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
McDonald, 2020	Moderate	Bladder control (Average volume voided per micturition)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	Bladder control (Episodes of urgency in 72 hours)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	Bladder control (Episodes of urgency in 72 hours)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
McDonald, 2020	Moderate	Bladder control (Incontinence episodes in 72 hours)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	Bladder control (Incontinence episodes in 72 hours)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum inspiratory pressure (cmH2O))	2 mos	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum inspiratory pressure (% predicted))	2 mos	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum expiratory pressure (cmH2O))	2 mos	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum expiratory pressure (% predicted))	2 mos	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Peak cough flow (Peak cough flow: Cough voluntary (L/s))	2 mos	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Peak cough flow (Peak cough flow: Cough reflex (L/s))	2 mos	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Vital capacity (Slow vital capacity (L))	2 mos	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum inspiratory pressure (cmH2O))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum inspiratory pressure (% predicted))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum expiratory pressure (cmH2O))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum expiratory pressure (% predicted))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Peak cough flow (Peak cough flow: Cough voluntary (L/s))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2019	Moderate	Peak cough flow (Peak cough flow: Cough reflex (L/s))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Vital capacity (Slow vital capacity (L))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Control (Placebo EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS

Table 149148: PICO 8a- Task specific training vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chivers Seymour, 2019	Moderate	PDQ-39 ( )	6 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	-1.2 (-4.90, 2.50)	NS
Chivers Seymour, 2019	Moderate	PDQ-39 ( )	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	-2.6 (-7.19, 1.99)	NS
Barboza, 2019	High	PDQL (PDQL (Parkinson's symptoms))	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	2.91 (-5.40, 11.22)	NS
Barboza, 2019	High	PDQL (PDQL (Parkinson's symptoms))	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	5.11 (-2.98, 13.20)	NS
Barboza, 2019	High	PDQL (PDQL (Systemic symptoms))	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	1.87 (-8.26, 12.00)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	PDQL (PDQL (Systemic symptoms))	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	6.82 (-2.54, 16.18)	NS
Barboza, 2019	High	PDQL (PDQL (Emotional functioning))	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	3.51 (-4.23, 11.25)	NS
Barboza, 2019	High	PDQL (PDQL (Emotional functioning))	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	7.01 (-0.43, 14.45)	NS
Barboza, 2019	High	PDQL (PDQL (Social functioning))	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	4.18 (-4.38, 12.74)	NS
Barboza, 2019	High	PDQL (PDQL (Social functioning))	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	6.71 (-1.85, 15.27)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barboza, 2019	High	PDQL (PDQL Total)	.	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	3.1 (-4.36, 10.56)	NS
Barboza, 2019	High	PDQL (PDQL Total)	3 mos	Cognitive-Motor Group (Physiotherapy + Cognitive Stimulation Activities): 90min, 2x/week, 16 weeks	Motor Group (Physiotherapy alone): 1hr, 2x/week, 16 weeks	Mean Difference	6.19 (-0.89, 13.27)	NS
Vanbellingen, 2017	High	PDQ-39 ( )	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	PDQ-39 ( )	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	PDQ-39 (PDQ-39 (ADL))	.	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS
Vanbellingen, 2017	High	PDQ-39 (PDQ-39 (ADL))	12 wks	Home-based Dexterity Program (HOMEDEXT): 30min, 5x/week, 4 weeks	Control (Thera-band Program (upper limb exercises)): 30min, 5x/week, 4 weeks	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Walton, 2018	Moderate	PDQ-39 ( )	.	Cognitive training (Computerized CT tasks focused on executive function): 2hr, 2x/week, 7 weeks	Active Control (Non-specific computer based tasks): 2hr, 2x/week, 7 weeks	Mean Difference	-1.82 (-9.93, 6.29)	NS
Morris, 2015	High	PDQ-39 ( )	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-1.6 (-6.24, 3.04)	NS
Morris, 2015	High	PDQ-39 ( )	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	-3.3 (-8.05, 1.45)	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	1.8 (-4.03, 7.63)	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Control (Life Skills Program): Life skill sessions, videos, brochures	Mean Difference	2.2 (-3.01, 7.41)	NS
Petrelli, 2014	Moderate	PDQ-39 ( )	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	PDQ-39 ( )	.	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Control (Waitlist): No training	Author Reported - ANOVA	N/A	NS
Sackley, 2018	High	PDQ-39 (PDQ-39 (Communication))	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	Control (No intervention)	Mean Difference	-8 (-20.40, 4.40)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sackley, 2018	High	PDQ-39 ( )	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	Control (No intervention)	Mean Difference	0 (-8.97, 8.97)	NS
Sackley, 2018	High	V-RQoL (Voice-related QoL)	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	Control (No intervention)	Mean Difference	-4 (-8.46, 0.46)	NS
Sackley, 2018	High	Living with Dysarthria Questionnaire ( )	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	Control (No intervention)	Mean Difference	-5 (-16.65, 6.65)	NS
Sackley, 2018	High	Living with Dysarthria Questionnaire ( )	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	Control (No intervention)	Mean Difference	0 (-0.15, 0.15)	NS
Sackley, 2018	High	PDQ-39 (PDQ-39 (Communication))	3 mos	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Control (No intervention)	Mean Difference	-5 (-16.40, 6.40)	NS
Sackley, 2018	High	PDQ-39 ( )	3 mos	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Control (No intervention)	Mean Difference	-2 (-9.89, 5.89)	NS
Sackley, 2018	High	V-RQoL (Voice-related QoL)	3 mos	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Control (No intervention)	Mean Difference	-3 (-6.71, 0.71)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sackley, 2018	High	Living with Dysarthria Questionnaire ( )	3 mos	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Control (No intervention)	Mean Difference	-1 (-11.52, 9.52)	NS
Soke, 2019	Moderate	PDQ-8 ( )	.	Task-oriented circuit training combined with aerobic training: About 45min, 3x/wk, 8 weeks	Control (Aerobic training alone): 30min, 3x/wk, 8 weeks	Author Reported	N/A	NS
King, 2020	High	PDQ-39 ( )	.	Agility Boot Camp-Cognitive (ABC-C) program: 80min, 3x/wk, 6 weeks	Control (Education program): 80min, 1x/wk, 6 weeks; Home relaxation recordings 30min, 5x/wk, 6 weeks	Mean Difference	-1.27 (-3.78, 1.24)	NS
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-OAB Symptom score)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-OAB Symptom score)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-OAB Bother score)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-OAB Bother score)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-QOL score)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-QOL score)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-QOL Interference for daily life)	12 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS
McDonald, 2020	Moderate	ICIQ (Incontinence Questionnaire) (ICIQ-QOL Interference for daily life)	20 wks	Bladder training (instructions on urge suppression and distraction techniques, pelvic floor exercises, personalized voiding schedule, training DVD) & Conservative advice: 12 weeks	Conservative advice alone: 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2020	High	PDQ-39 ( )	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.324, ANCOVA	N/A	NS
Vorasoot, 2020	High	Patient's subjective rating scale ( )	.	Handwriting exercise (practice book of 44 Thai alphabets): 5 pages/day, 4 weeks	Control	Author Reported - T test or MW U test	N/A	NS

Table 150149: PICO 8a- Task specific training vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Chivers Seymour, 2019	Moderate	PASE ( )	6 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	9.6 (-5.39, 24.59)	NS
Chivers Seymour, 2019	Moderate	PASE ( )	12 mos	PDSAFE phsyiotherapy program (fall avoidance strategy training program): 1-1.5hr, 12 sessions over 6 months	Control (No physiotherapy): DVD/Advice	Mean Difference	11.8 (-6.57, 30.17)	NS
Beck, 2020	High	CHAMPS (CHAMPS Overall)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.923, ANCOVA	N/A	NS
Beck, 2020	High	CHAMPS (CHAMPS Moderate)	.	Sensory Attention Focused Exercise (Internal focus): 33 hour attention-based exercises sessions for over 11 weeks	Control Sham Exercise (External focus): 33 hour attention-based exercises sessions for over 11 weeks	Author Reported - P=0.867, ANCOVA	N/A	NS

Figure 37: Meta-analysis- UPDRS III (post)

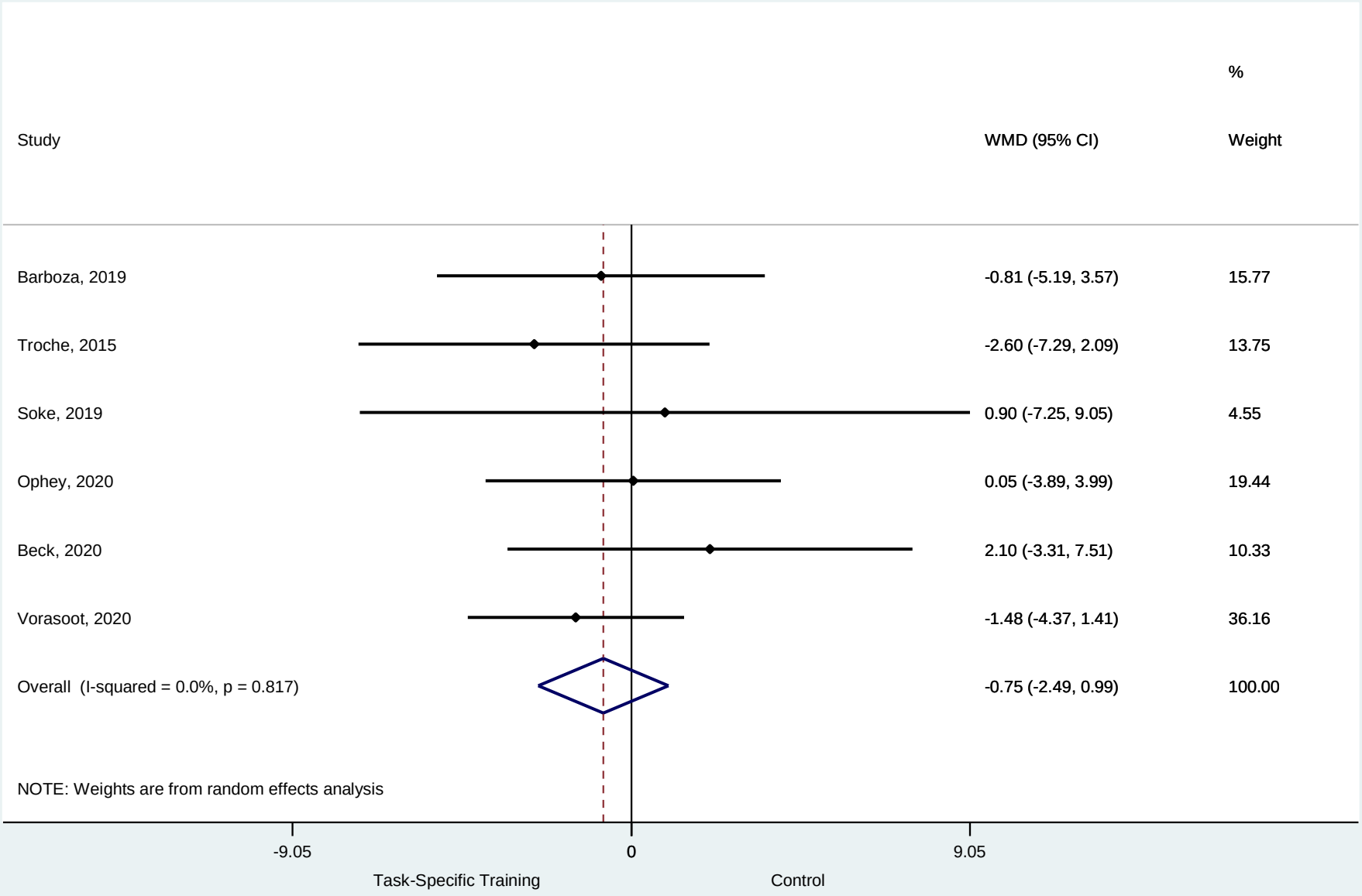
Study
WMD (95% CI)
%
Weight
Barboza, 2019
-0.81 (-5.19, 3.57)
15.77
Troche, 2015
-2.60 (-7.29, 2.09)
13.75
Soke, 2019
0.90 (-7.25, 9.05)
4.55
Ophey, 2020
0.05 (-3.89, 3.99)
19.44
Beck, 2020
2.10 (-3.31, 7.51)
10.33
Vorasoot, 2020
-1.48 (-4.37, 1.41)
36.16
Overall (I-squared = 0.0%, p = 0.817)
-0.75 (-2.49, 0.99)
100.00
NOTE: Weights are from random effects analysis
-9.05
0
9.05
Task-Specific Training
Control

Table 151150: PICO 8b- Task specific training vs. Other- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2009	High	Sessions completed ( )	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	1 (-18.10, 20.10)	NS
Morris, 2009	High	Total duration (Therapy time (min))	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	65 (-36.28, 166.28)	NS

Table 152151: PICO 8b- Task specific training vs. Other- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2009	High	UPDRS II & III ( )	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-5.3 (-11.19, 0.59)	NS
Morris, 2009	High	UPDRS II & III ( )	3 mos	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-3.3 (-10.17, 3.57)	NS
Morris, 2015	High	UPDRS III ( )	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	UPDRS III ( )	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS

Table 153152: PICO 8b- Task specific training vs. Other- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2009	High	Walk test (10MWT time)	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	0 (-1.26, 1.26)	NS
Morris, 2009	High	Walk test (10MWT time)	3 mos	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-0.2 (-1.44, 1.04)	NS
Morris, 2009	High	Mobility (TUG)	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-0.5 (-2.50, 1.50)	NS
Morris, 2009	High	Mobility (TUG)	3 mos	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	1 (-0.89, 2.89)	NS
Morris, 2009	High	Walk test (2MWT (m))	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-1.8 (-27.82, 24.22)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2009	High	Walk test (2MWT (m))	3 mos	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-10.9 (-38.36, 16.56)	NS
Morris, 2009	High	Balance (Pull test)	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-1.1 (-1.67, -0.53)	**Movement strategy training**
Morris, 2009	High	Balance (Pull test)	3 mos	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	-0.3 (-1.25, 0.65)	NS
Coe, 2018	Moderate	Turning (UPDRS (Turning in bed))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Mean Difference	0.1 (-0.26, 0.46)	NS
Morris, 2015	High	Falls (Falls rate)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	Falls (Fallers)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	UPDRS II ( )	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2015	High	UPDRS II ( )	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	Gait speed (Walking speed)	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	Gait speed (Walking speed)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	Mobility (TUG)	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	Mobility (TUG)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS

Table 154153: PICO 8b- Task specific training vs. Other- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Fatigue (FSS (Fatigue Severity Scale))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Mean Difference	0 (-0.71, 0.71)	NS
Coe, 2018	Moderate	UPDRS I (UPDRS I (Sleep problems))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Mean Difference	0.2 (-0.44, 0.84)	NS
Coe, 2018	Moderate	UPDRS I (UPDRS I (Daytime sleepiness))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Mean Difference	-0.2 (-0.63, 0.23)	NS

Table 155154: PICO 8b- Task specific training vs. Other- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2009	High	PDQ-39 ( )	.	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	0.1 (-6.27, 6.47)	NS
Morris, 2009	High	PDQ-39 ( )	3 mos	Movement strategy training: Max 16 sessions, _x001A_45 min/session, 2 weeks	Musculoskeletal exercises: Max 16 sessions, _x001A_45 min/session, 2 weeks	Mean Difference	1.8 (-8.27, 11.87)	NS
Coe, 2018	Moderate	EQ-5D (EQ5D-5L)	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Mean Difference	-3.73 (-12.49, 5.03)	NS
Morris, 2015	High	PDQ-39 ( )	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	PDQ-39 ( )	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	3 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS
Morris, 2015	High	EQ-5D (EQ-5D VAS)	12 mos	Movement Strategy Training: 2hr, 1x/week, 8 weeks	Progressive Resistance Strength Training: 2hr, 1x/week, 8 weeks	Author Reported	N/A	NS

Table 156155: PICO 8b- Task specific training vs. Other- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Activity level (Sedentary activity level (08.00-20.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Light activity level (08.00-20.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (08.00-20.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Activity level (Vigorous activity level (08.00-20.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Sedentary activity level (20.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Light activity level (20.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (20.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Activity level (Vigorous activity level (20.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Sedentary activity level (24.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Light activity level (24.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (24.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Activity level (Vigorous activity level (24.00-08.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Sedentary activity level (20.00-24.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Light activity level (20.00-24.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS
Coe, 2018	Moderate	Activity level (Moderate activity level (20.00-24.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Coe, 2018	Moderate	Activity level (Vigorous activity level (20.00-24.00 hrs))	.	Handwriting group: 1hr, 2x/week, 6 months	Exercise group (aerobic and anaerobic training): 1hr, 2x/week, 6 months	Author Reported - MWU test; specific p-val not reported	N/A	NS

Table 157156: PICO 8c- Task specific training vs. Task specific training- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2018	Moderate	UPDRS III (UPDRS III (on medication))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-1.47 (-6.71, 3.77)	NS
Beck, 2018	Moderate	UPDRS III (UPDRS III (off medication))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-3.18 (-10.17, 3.81)	NS

Table 158157: PICO 8c- Task specific training vs. Task specific training- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Stride (Auditory Stroop Task- Stride length (cm))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-1.44 (-7.40, 4.52)	NS
Geroin, 2018	Moderate	Stride (Auditory Stroop Task- Stride length (cm))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-4.72 (-11.55, 2.11)	NS
Geroin, 2018	Moderate	Step (Auditory Stroop Task- Cadence (step/min))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-1.79 (-5.46, 1.88)	NS
Geroin, 2018	Moderate	Step (Auditory Stroop Task- Cadence (step/min))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.3 (-4.08, 3.48)	NS
Geroin, 2018	Moderate	Stride (Auditory Stroop Task- Stride time (stride/sec))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.01 (-0.03, 0.05)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Stride (Auditory Stroop Task-Stride time (stride/sec))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.01 (-0.03, 0.05)	NS
Geroin, 2018	Moderate	Swing (Auditory Stroop Task-Swing % (% of gait cycle))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.2 (-0.98, 0.58)	NS
Geroin, 2018	Moderate	Swing (Auditory Stroop Task-Swing % (% of gait cycle))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.5 (-1.38, 0.38)	NS
Geroin, 2018	Moderate	Swing (Auditory Stroop Task-Swing time (sec))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0 (-0.02, 0.02)	NS
Geroin, 2018	Moderate	Swing (Auditory Stroop Task-Swing time (sec))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0 (-0.02, 0.02)	NS
Geroin, 2018	Moderate	Stance duration (Auditory Stroop Task-Stance % (% of gait cycle))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.2 (-0.58, 0.98)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Stance duration (Auditory Stroop Task-Stance % (% of gait cycle))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.5 (-0.38, 1.38)	NS
Geroin, 2018	Moderate	Stance duration (Auditory Stroop Task-Stance time (sec))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.01 (-0.02, 0.04)	NS
Geroin, 2018	Moderate	Stance duration (Auditory Stroop Task-Stance time (sec))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.01 (-0.02, 0.04)	NS
Geroin, 2018	Moderate	Double support (Auditory Stroop Task-Double support % (% of gait cycle))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.55 (-0.98, 2.08)	NS
Geroin, 2018	Moderate	Double support (Auditory Stroop Task-Double support % (% of gait cycle))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.84 (-0.89, 2.57)	NS
Geroin, 2018	Moderate	Double support (Auditory Stroop Task-Support base (cm))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.37 (-0.70, 1.44)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Double support (Auditory Stroop Task- Support base (cm))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.43 (-0.59, 1.45)	NS
Geroin, 2018	Moderate	Step (Auditory Stroop Task- Step length asymmetry (cm))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.41 (-0.61, 1.43)	NS
Geroin, 2018	Moderate	Step (Auditory Stroop Task- Step length asymmetry (cm))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.1 (-0.91, 1.11)	NS
Geroin, 2018	Moderate	Stride (Backwards Digit Span Task- Stride length (cm))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.34 (-6.47, 5.79)	NS
Geroin, 2018	Moderate	Stride (Backwards Digit Span Task- Stride length (cm))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-2.04 (-8.45, 4.37)	NS
Geroin, 2018	Moderate	Step (Backwards Digit Span Task- Cadence (step/min))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	1 (-2.80, 4.80)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Step (Backwards Digit Span Task- Cadence (step/min))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.7 (-4.55, 3.15)	NS
Geroin, 2018	Moderate	Stride (Backwards Digit Span Task- Stride time (stride/sec))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.02 (-0.07, 0.03)	NS
Geroin, 2018	Moderate	Stride (Backwards Digit Span Task- Stride time (stride/sec))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.01 (-0.04, 0.06)	NS
Geroin, 2018	Moderate	Swing (Backwards Digit Span Task- Swing % (% of gait cycle))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.12 (-0.89, 0.65)	NS
Geroin, 2018	Moderate	Swing (Backwards Digit Span Task- Swing % (% of gait cycle))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.14 (-0.96, 0.68)	NS
Geroin, 2018	Moderate	Swing (Backwards Digit Span Task- Swing time (sec))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.01 (-0.04, 0.02)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Swing (Backwards Digit Span Task- Swing time (sec))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0 (-0.02, 0.02)	NS
Geroin, 2018	Moderate	Stance duration (Backwards Digit Span Task- Stance % (% of gait cycle))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.12 (-0.65, 0.89)	NS
Geroin, 2018	Moderate	Stance duration (Backwards Digit Span Task- Stance % (% of gait cycle))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.16 (-0.66, 0.98)	NS
Geroin, 2018	Moderate	Stance duration (Backwards Digit Span Task- Stance time (sec))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0 (-0.03, 0.03)	NS
Geroin, 2018	Moderate	Stance duration (Backwards Digit Span Task- Stance time (sec))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.01 (-0.02, 0.04)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Double support (Backwards Digit Span Task- Double support % (% of gait cycle))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.5 (-2.27, 1.27)	NS
Geroin, 2018	Moderate	Double support (Backwards Digit Span Task- Double support % (% of gait cycle))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.4 (-1.42, 2.22)	NS
Geroin, 2018	Moderate	Step (Backwards Digit Span Task- Step length asymmetry (cm))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	-0.06 (-1.33, 1.21)	NS
Geroin, 2018	Moderate	Step (Backwards Digit Span Task- Step length asymmetry (cm))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.19 (-0.71, 1.09)	NS
Beck, 2018	Moderate	Step (Step length- Single task (cm))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	2.52 (-6.27, 11.31)	NS
Beck, 2018	Moderate	Step (Step length- Dual task (cm))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	4.32 (-4.80, 13.44)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2018	Moderate	Step (Step length variability- Single task (CV))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-0.29 (-4.83, 4.25)	NS
Beck, 2018	Moderate	Step (Step length variability- Dual task (CV))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	0.08 (-6.25, 6.41)	NS
Beck, 2018	Moderate	Step (Step time- Single task (sec))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	0.02 (-0.04, 0.08)	NS
Beck, 2018	Moderate	Step (Step time- Dual task (sec))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	0.03 (-0.03, 0.09)	NS
Beck, 2018	Moderate	Step (Step time variability- Single task (CV))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-0.54 (-3.24, 2.16)	NS
Beck, 2018	Moderate	Step (Step time variability- Dual task (CV))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	0.83 (-7.17, 8.83)	NS
Beck, 2018	Moderate	Double support (Time spent in double support- Single task (%))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-1.28 (-5.80, 3.24)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2018	Moderate	Double support (Time spent in double support- Dual task (%))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-2.09 (-7.39, 3.21)	NS
Beck, 2018	Moderate	Double support (% of time spent in double support variability- Single task (CV))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-0.25 (-2.10, 1.60)	NS
Beck, 2018	Moderate	Double support (% of time spent in double support variability- Dual task (CV))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	0.96 (-1.72, 3.64)	NS
Beck, 2018	Moderate	Gait velocity (Velocity- Single task (cm/s))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	3.18 (-14.48, 20.84)	NS
Beck, 2018	Moderate	Gait velocity (Velocity- Dual task (cm/s))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	5.62 (-12.75, 23.99)	NS
Strouwen, 2017	High	Gait velocity (Gait velocity during untrained Stroop task)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Strouwen, 2017	High	Gait velocity (Gait velocity during untrained Stroop task)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Gait velocity (Gait velocity during untrained mobile phone task)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Gait velocity (Gait velocity during untrained mobile phone task)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Gait velocity (Gait velocity during trained digit span task)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Gait velocity (Gait velocity during trained digit span task)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Falls (Total number of fallers)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Strouwen, 2017	High	Falls (Total number of recurrent fallers)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	RD	.(.,.)	NS
Sackley, 2018	High	Voice Handicap Index (VHI) (VHI Total)	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Mean Difference	-3 (-15.89, 9.89)	NS
Baram, 2020	Moderate	Maximum unassisted jaw opening capacity ( )	2 mos	Standardized home training program (Jaw opening training (JawTrainer), Lip & chewing exercises): 2 months	Oral hygiene program (Advice & counseling): 2 months	Author Reported - p < 0.03	N/A	**Exp group favored over Control**
Baram, 2020	Moderate	Chewing time ( )	2 mos	Standardized home training program (Jaw opening training (JawTrainer), Lip & chewing exercises): 2 months	Oral hygiene program (Advice & counseling): 2 months	Author Reported - p < 0.03	N/A	**Exp group favored over Control**

Table 159158: PICO 8c- Task specific training vs. Task specific training- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2018	Moderate	LEDD ( )	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	33.91 (-151.87, 219.69)	NS
Strouwen, 2017	High	LEDD ( )	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	LEDD ( )	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS

Table 160159: PICO 8c- Task specific training vs. Task specific training- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Geroin, 2018	Moderate	Cognition (Backwards Digit Span Task- Support base (cm))	.	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.19 (-0.93, 1.31)	NS
Geroin, 2018	Moderate	Cognition (Backwards Digit Span Task- Support base (cm))	12 wks	Consecutive task training (Separate gait and cognitive training): 70min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 70min, 2x/week, 6 weeks	Mean Difference	0.01 (-1.07, 1.09)	NS
Beck, 2018	Moderate	Cognition (MoCA)	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-0.29 (-3.55, 2.97)	NS
Beck, 2018	Moderate	Cognition (Error on digit-monitoring secondary task- Single task)	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-0.47 (-1.71, 0.77)	NS
Beck, 2018	Moderate	Cognition (Error on digit-monitoring secondary task- Dual task)	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-0.87 (-2.28, 0.54)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Strouwen, 2017	High	Cognition (Reaction time Stroop)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (Reaction time Stroop)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (% Correct responses Stroop)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (% Correct responses Stroop)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (% Correct responses Mobile phone task)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (% Correct responses Mobile phone task)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Strouwen, 2017	High	Cognition (Reaction time Digit span)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (Reaction time Digit span)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (Response time Digit span)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (Response time Digit span)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (% Correct responses Digit span)	.	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS
Strouwen, 2017	High	Cognition (% Correct responses Digit span)	12 wks	Consecutive task training (Separate gait and cognitive training): 40min, 2x/week, 6 weeks	Integrated task training (Simultaneous motor-cognitive training): 40min, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Foster, 2017	High	Cognition (Correct Prospective Memory Responses: Repeated event)	.	Implementation Intentions Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Rote Rehearsal Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Mean Difference	0.02 (-0.11, 0.15)	NS
Foster, 2017	High	Cognition (Correct Prospective Memory Responses: Repeated time-based task)	.	Implementation Intentions Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Rote Rehearsal Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Mean Difference	0.02 (-0.11, 0.15)	NS
Foster, 2017	High	Cognition (Correct Prospective Memory Responses: Non-repeated event)	.	Implementation Intentions Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Rote Rehearsal Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Mean Difference	0.06 (-0.06, 0.18)	NS
Foster, 2017	High	Cognition (Correct Prospective Memory Responses: Non-repeated time-based task)	.	Implementation Intentions Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Rote Rehearsal Encoding Strategy for computerized prospective memory test (Cognitive strategy training for PM)	Mean Difference	0.08 (-0.07, 0.23)	NS
Petrelli, 2014	Moderate	Cognition (MMSE)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Petrelli, 2014	Moderate	Cognition (Overall cognitive function: DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Brief test of attention)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal short-term: DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal short-term: Memory)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal long-term: DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal long-term: Memory)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Visual long-term: Complex figure (recall))	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Petrelli, 2014	Moderate	Cognition (Working memory: DemTect-Digit span reverse)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - P=0.01, ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal fluency: Semantic DemTect)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Cognition (Verbal Fluency (FAS))	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Petrelli, 2014	Moderate	Depression (BDI-II)	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS

Table 161160: PICO 8c- Task specific training vs. Task specific training- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Inspiratory Pressure (cmH2O))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Inspiratory Pressure (% predicted))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Expiratory Pressure (cmH2O))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS
Reyes, 2018	Moderate	Maximum inspiratory/expiratory pressure (Maximum Expiratory Pressure (% predicted))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2018	Moderate	Peak cough flow (Peak cough flow-Voluntary (L/s))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS
Reyes, 2018	Moderate	Peak cough flow (Peak cough flow-Reflex (L/s))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS
Reyes, 2018	Moderate	Vital capacity (Slow Vital Capacity (L))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS
Reyes, 2018	Moderate	Vital capacity (Forced Vital Capacity (L))	2 mos	Home-based inspiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max inspiratory pressure	Home-based expiratory muscle training: 6x/wk, 2 months; Intensity: 50-75% max expiratory pressure	Author Reported	N/A	NS
Baram, 2020	Moderate	Simplified oral hygiene index ( )	2 mos	Standardized home training program (Jaw opening training (JawTrainer), Lip & chewing exercises): 2 months	Oral hygiene program (Advice & counseling): 2 months	Author Reported - p = 0.00007	N/A	**Exp group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum inspiratory pressure (cmH2O))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum inspiratory pressure (% predicted))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum expiratory pressure (cmH2O))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Maximum inspiratory/expiratory pressure (Maximum expiratory pressure (% predicted))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Peak cough flow (Peak cough flow: Cough voluntary (L/s))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Reyes, 2019	Moderate	Peak cough flow (Peak cough flow: Cough reflex (L/s))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS
Reyes, 2019	Moderate	Vital capacity (Slow vital capacity (L))	2 mos	Expiratory muscle training + Air stacking: 5 sets of 5 repetitions, 6x/wk, 8 weeks	Expiratory muscle training (EMT): 5 sets of 5 repetitions, 6x/wk, 8 weeks	Author Reported	N/A	NS

Table 162161: PICO 8c- Task specific training vs. Task specific training- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2018	Moderate	PDQ-39 ( )	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	10.66 (-5.90, 27.22)	NS
Petrelli, 2014	Moderate	PDQ-39 ( )	.	Neurovitalis (Structured training): 12 sessionof 90 mins for 6 wks	Mentally Fit (Unstructured training): 12 sessionof 90 mins for 6 wks	Author Reported - ANOVA	N/A	NS
Sackley, 2018	High	EQ-5D ( )	3 mos	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Control (No intervention)	Mean Difference	0.1 (-0.03, 0.23)	NS
Sackley, 2018	High	PDQ-39 (PDQ-39 (Communication))	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Mean Difference	-3 (-14.45, 8.45)	NS
Sackley, 2018	High	PDQ-39 ( )	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Mean Difference	2 (-6.51, 10.51)	NS
Sackley, 2018	High	V-RQoL (Voice-related QoL)	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Mean Difference	-1 (-5.02, 3.02)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sackley, 2018	High	Living with Dysarthria Questionnaire ( )	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Mean Difference	-4 (-14.89, 6.89)	NS
Sackley, 2018	High	EQ-5D ( )	3 mos	LSVT LOUD (Lee Silverman Voice Treatment): 50-60min, 4x/week, 4 weeks	SLT (Speech and Language Therapy): 45min/week, 6-8 weeks	Mean Difference	-0.1 (-0.23, 0.03)	NS

Table 163162: PICO 8c- Task specific training vs. Task specific training- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Beck, 2018	Moderate	CHAMPS (Activity level (CHAMPS) (kcal/wk))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-954.59 (-3665.57, 1756.39)	NS
Beck, 2018	Moderate	CHAMPS (Activity level >3 METs (CHAMPS) (kcal/wk))	.	External focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Internal focus of attention exercise (PDSAFEx program): 1hr, 3x/week, 11 weeks	Mean Difference	-797.61 (-2563.09, 967.87)	NS

PICO 9

Table 164163: PICO 9a- Freezers vs. Non-freezers- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Myers, 2018	Moderate	BOLD signal (BOLD signal: Left Primary Motor Cortex (Imagined Forward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	BOLD signal (BOLD signal: Left Primary Motor Cortex (Imagined Backward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA, p < 0.012	N/A	
Myers, 2018	Moderate	BOLD signal (BOLD signal: Right Primary Motor Cortex (Imagined Forward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	BOLD signal (BOLD signal: Right Primary Motor Cortex (Imagined Backward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA, p < 0.012	N/A	

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Myers, 2018	Moderate	BOLD signal (BOLD signal: Left Primary Sensory Cortex (Imagined Forward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	BOLD signal (BOLD signal: Left Primary Sensory Cortex (Imagined Backward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA, $p < 0.012$	N/A	
Myers, 2018	Moderate	BOLD signal (BOLD signal: Right Primary Sensory Cortex (Imagined Forward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	BOLD signal (BOLD signal: Right Primary Sensory Cortex (Imagined Backward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA, $p < 0.012$	N/A	
Myers, 2018	Moderate	BOLD signal (BOLD signal: Network 3 Cerebellar Region (Imagined Forward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Myers, 2018	Moderate	BOLD signal (BOLD signal: Network 3 Cerebellar Region (Imagined Backward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA, p < 0.025	N/A	
Myers, 2018	Moderate	BOLD signal (BOLD signal: Network 4 Cerebellar Region (Imagined Forward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	BOLD signal (BOLD signal: Network 4 Cerebellar Region (Imagined Backward Gait))	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS

Table 165164: PICO 9a- Freezers vs. Non-freezers- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (with cues))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (with cues))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (without cues))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 0.6cm (without cues))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (with cues))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (with cues))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (without cues))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Transfer Task at 1.0cm (without cues))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (single task))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (single task))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (dual task))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 0.6cm (dual task))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (single task))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (single task))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (dual task))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Amplitude (%) Writing Automatization Task at 1.0cm (dual task))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (single task))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (single task))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Heremans, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (dual task))	.	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Heremans, 2016	Moderate	Handwriting performance (Accuracy (%) Automatization Task (dual task))	6 wks	Freezers (FOG+) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Non-freezers (FOG-) (Amplitude training focused at improving writing size): 30 min/day, 5 days/wk for 6 wks	Author Reported	N/A	NS
Myers, 2018	Moderate	Gait velocity (Forward velocity)	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	Gait velocity (Backward velocity)	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	Stride (Forward stride length)	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS
Myers, 2018	Moderate	Stride (Backward stride length)	.	Freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Non-freezers (Exercise intervention (Tango, Treadmill, or Stretching))	Author Reported - ANCOVA	N/A	NS

Table 166165: PICO 9b- Depression improved vs. Depression not improved- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Menza, 2009	High	PDQ-8 ( )	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 Total)	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (Well-being))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (Emotion role function))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (Social function))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (Energy))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (Physical function))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (Physical role function))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (General health))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS
Menza, 2009	High	SF-36 (SF-36 (Pain))	8 wks	Depression Improved: Following 8 wks tx	Depression Not Improved: Following 8 wks tx	Author Reported	N/A	NS

Table 167166: PICO 9c- DBS vs. No DBS- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognitive decline (Rate of reliable decline- Processing speed)	6 mos	DBS (GPi or STN): 6 months	Best Medical Therapy (BMT): 6 months	RD	.(.,.)	NS
Rothlind, 2015	Moderate	Cognitive decline (Rate of reliable decline- Working memory)	6 mos	DBS (GPi or STN): 6 months	Best Medical Therapy (BMT): 6 months	RD	.(.,.)	NS
Rothlind, 2015	Moderate	Cognitive decline (Rate of reliable decline- Executive function)	6 mos	DBS (GPi or STN): 6 months	Best Medical Therapy (BMT): 6 months	RD	.(.,.)	NS
Rothlind, 2015	Moderate	Cognitive decline (Rate of reliable decline- Learning/Memory)	6 mos	DBS (GPi or STN): 6 months	Best Medical Therapy (BMT): 6 months	RD	.(.,.)	NS
Rothlind, 2015	Moderate	Cognitive decline (Rate of reliable decline- Language)	6 mos	DBS (GPi or STN): 6 months	Best Medical Therapy (BMT): 6 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognitive decline (Rate of reliable decline-Multiple domains)	6 mos	DBS (GPi or STN): 6 months	Best Medical Therapy (BMT): 6 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Total))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Confusion))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (CSF keakage))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Gait disorder including balance problems))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Hardware problem-lead))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Infection))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Intracranial hemorrhage))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Lead migration))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Motor fluctuations))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Worsening PD symptoms))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Pneumonia))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Seizures or convulsions))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Tremor))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Serious adverse events (Serious adverse events (Unrelated events))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (All))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Anxiety))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Confusion))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Depression (Non-serious adverse events (Depression))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Disequilibrium))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Dysarthria (Non-serious adverse events (Dysarthria))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Dyskinesia (Non-serious adverse events (Dyskinesia))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Dysphasia (Non-serious adverse events (Dysphasia))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Dystonia))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Oedema))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Falls))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Fatgue))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Gait disorder including balance problems))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Hallucinations))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Headache))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Infection))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Jolting or shocking sensation))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Paraesthesia))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Postoperation pain, stress, or discomfort))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Psychiatric changes or disturbances))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Sleep disturbances))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Subcutaneous hemorrhage or seroma))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Unrelated events- back pain))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Okun, 2012	Moderate	Non-serious adverse events (Non-serious adverse events (Unrelated events- UTI))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	RD	.(.,.)	NS
Williams, 2010	Moderate	Dyskinesia (Dyskinesia (None))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Dyskinesia (Dyskinesia (1-25%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Dyskinesia (Dyskinesia (26-50%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Dyskinesia (Dyskinesia (51-75%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Dyskinesia (Dyskinesia (76-100%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Off time (Off time (None))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Off time (Off time (1-25%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Williams, 2010	Moderate	Off time (Off time (26-50%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Off time (Off time (51-75%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Off time (Off time (76-100%))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (Surgery-related))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (General surgery problems))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (PD-related & drug-related))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (Constipation))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (Worsening PD symptoms))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (Other))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (Deaths))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Williams, 2010	Moderate	Serious adverse events (Serious adverse events (Total))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	RD	.(.,.)	NS
Deuschl, 2006	Moderate	Adverse events (Total adverse events)	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	RD	.(.,.)	NS
Deuschl, 2006	Moderate	Serious adverse events (Severe adverse events (# of patients))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	RD	.(.,.)	NS
Deuschl, 2006	Moderate	Death ( )	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	RD	.(.,.)	NS

Table 168167: PICO 9c- DBS vs. No DBS- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	Time in on-state (Duration of good quality on time (hr))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Okun, 2012	Moderate	UPDRS Total (UPDRS Total (on medication))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Okun, 2012	Moderate	UPDRS III (UPDRS III (off medication))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Okun, 2012	Moderate	UPDRS III (UPDRS III (on medication))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Okun, 2012	Moderate	UPDRS IV (UPDRS IV (on medication))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS III (UPDRS III (on medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS III (UPDRS III (off medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS IV ( )	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Williams, 2010	Moderate	UPDRS I-III (UPDRS I-III (on medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS I-III (UPDRS I-III (off medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS I-IV (UPDRS I-IV (on medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS I-IV (UPDRS I-IV (off medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	UPDRS III (UPDRS III (off medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	UPDRS III (UPDRS III (on medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	Dyskinesia (Dyskinesia scale (without medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	Dyskinesia (Dyskinesia scale (with medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Charles, 2014	Moderate	UPDRS III (UPDRS III (on medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Charles, 2014	Moderate	UPDRS III (UPDRS III (off medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	UPDRS III ( )	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	UPDRS IV ( )	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	Dyskinesia (Time on with dyskinesias)	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Table 169168: PICO 9c- DBS vs. No DBS- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	UPDRS II (UPDRS II (on medication))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Okun, 2012	Moderate	ADL (Schwab and England Scale (on medication))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS II (UPDRS II (on medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS II (UPDRS II (off medication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	UPDRS II (UPDRS II (off medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	UPDRS II (UPDRS II (on medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	ADL (Schwab and England Scale (off medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	ADL (Schwab and England Scale (with medication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barbe, 2020	Moderate	Step (Gait Test (steps) (medication off, DBS on))	24 mos	DBS (STN) plus BMT (Best medical Treatment): DBS off rated after atleast 2 hrs, DBS on rated after 30 minutes, and soluble L-dopa kept constant	Control (BMT alone): No DBS	Author Reported - P=0.016, mixed-model statistics	N/A	NS
Barbe, 2020	Moderate	Step (Gait Test (steps) (medication on, DBS on))	24 mos	DBS (STN) plus BMT (Best medical Treatment): DBS off rated after atleast 2 hrs, DBS on rated after 30 minutes, and soluble L-dopa kept constant	Control (BMT alone): No DBS	Author Reported - P=0.99, mixed-model statistics	N/A	NS
Barbe, 2020	Moderate	Gait assessment (Gait Test Time (medication off, DBS on))	24 mos	DBS (STN) plus BMT (Best medical Treatment): DBS off rated after atleast 2 hrs, DBS on rated after 30 minutes, and soluble L-dopa kept constant	Control (BMT alone): No DBS	Author Reported - P=0.13, mixed-model statistics	N/A	NS
Barbe, 2020	Moderate	Gait assessment (Gait Test Time (medication on, DBS on))	24 mos	DBS (STN) plus BMT (Best medical Treatment): DBS off rated after atleast 2 hrs, DBS on rated after 30 minutes, and soluble L-dopa kept constant	Control (BMT alone): No DBS	Author Reported - P=0.78, mixed-model statistics	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Barbe, 2020	Moderate	FOG (FOG episodes (medication off, DBS on))	24 mos	DBS (STN) plus BMT (Best medical Treatment): DBS off rated after atleast 2 hrs, DBS on rated after 30 minutes, and soluble L-dopa kept constant	Control (BMT alone): No DBS	Author Reported - P=0.061, Proportional odds	0.18(0.03,1.08)	NS
Barbe, 2020	Moderate	FOG (FOG episodes (medication on, DBS on))	24 mos	DBS (STN) plus BMT (Best medical Treatment): DBS off rated after atleast 2 hrs, DBS on rated after 30 minutes, and soluble L-dopa kept constant	Control (BMT alone): No DBS	Author Reported - P=0.527, Proportional odds	0.35(0.01,9.18)	NS
Charles, 2014	Moderate	ADL (Schwab and England Scale (with medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	ADL (Schwab and England Scale (without medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	UPDRS II (UPDRS II (on medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	UPDRS II (UPDRS II (off medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	Mobility (Finger taps-dominant hand (on medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Charles, 2014	Moderate	Mobility (Finger taps-dominant hand (off medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	Mobility (Finger taps-nondominant hand (on medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	Mobility (Finger taps-nondominant hand (off medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	Mobility (Stand-walk-sit (sec) (on medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	Mobility (Stand-walk-sit (sec) (off medication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Table 170169: PICO 9c- DBS vs. No DBS- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Okun, 2012	Moderate	LEDD ( )	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Deuschl, 2006	Moderate	LEDD ( )	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Charles, 2014	Moderate	LEDD ( )	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Table 171170: PICO 9c- DBS vs. No DBS- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (WAIS-III Digit Symbol)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Symbol Search)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (TMT A)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (TMT B)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Animal naming)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Processing speed: Grocery Naming)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Word Reading)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Color Naming)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Color-Word)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (WAIS-III Digits Forward)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Digits Backward)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Letter-Number)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Phonemic Fluency (F, A, S))	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Arithmetic)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Similarities)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Boston Naming Test)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT Trials 1-3 Total)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT-R Delayed Recall)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT-R Recognition)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (BVMT-R Trials 1-3 Total)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (BVMT-R Delayed Recall)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (BVMR-R Discrimination)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WCST Total Errors)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WCST Preservations)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Interfernce Index)	6 mos	GPi DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Digit Symbol)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Symbol Search)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (TMT A)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (TMT B)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (Animal naming)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Processing speed: Grocery Naming)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Word Reading)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Color Naming)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Color-Word)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Digits Forward)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Digits Backward)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Letter-Number)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Phonemic Fluency (F, A, S))	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Arithmetic)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (WAIS-III Similarities)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Boston Naming Test)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT Trials 1-3 Total)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT-R Delayed Recall)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT-R Recognition)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (BVMT-R Trials 1-3 Total)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (BVMT-R Delayed Recall)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (BVMR-R Discrimination)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WCST Total Errors)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WCST Preservations)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (Stroop Interference Index)	6 mos	STN DBS: 6 months	Best Medical Therapy (BMT): 6 months	Author Reported	N/A	NS
Okun, 2012	Moderate	UPDRS I (UPDRS I (on medication))	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Okun, 2012	Moderate	Depression (HAM-D)	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Okun, 2012	Moderate	Cognition (D-KEFS Category Fluency)	3 mos	STN DBS: 3 months	Control (Implantation without activation): 3 months	Author Reported	N/A	NS
Williams, 2010	Moderate	UPDRS I ( )	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	Cognition (DRS-II)	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	Cognition (Mattis Dementia Rating Scale)	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	Depression (Montgomery and Asberg Depression Rating Scale (MADRS))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	Brief Psychiatric Rating Scale ( )	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Charles, 2014	Moderate	UPDRS I ( )	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Table 172171: PICO 9c- DBS vs. No DBS- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Williams, 2010	Moderate	PDQ-39 ( )	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (Mobility))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (ADL))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (Stigma))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (Social support))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (Cognition))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (Communication))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Williams, 2010	Moderate	PDQ-39 (PDQ-39 Summary Index (H&Y stage 1-2))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 Summary Index (H&Y stage 2.5))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Williams, 2010	Moderate	PDQ-39 (PDQ-39 Summary Index (H&Y stage 1-3))	1 yrs	DBS (STN or GPi) and Best medical therapy	Control (Best medical therapy alone)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 ( )	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (Mobility))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (ADL))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (Stigma))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (Social support))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (Cognition))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (Communication))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	SF-36 (SF-36 PCS)	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Deuschl, 2006	Moderate	SF-36 (SF-36 MCS)	6 mos	Bilateral STN DBS Stimulation	Control (Best medical treatment)	Author Reported	N/A	NS
Barbe, 2020	Moderate	PDQ-39 ( )	24 mos	DBS (STN) plus BMT (Best medical Treatment): DBS off rated after atleast 2 hrs, DBS on rated after 30 minutes, and soluble L-dopa kept constant	Control (BMT alone): No DBS	Author Reported - P<0.0001, mixed-model statistics	N/A	NS
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (Mobility))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (ADL))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (Stigma))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (Social support))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (Cognition))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (Communication))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS
Charles, 2014	Moderate	PDQ-39 ( )	24 mos	Bilateral STN DBS & Optimal Drug Therapy (ODT)	Control (ODT alone)	Author Reported	N/A	NS

Table 173172: PICO 9d- DBS vs. DBS- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Follett, 2010	High	Serious adverse events (Serious adverse events (Total))	24 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Follett, 2010	High	Death ( )	24 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Neuropsychological decline (Adverse effects: Cognitive, mood, behavioral)	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Neuropsychological decline (Decrease in neuropsychological exam)	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Loss of relationship/work (Loss of professional activity, work, or job)	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Loss of relationship/work (Loss of important relationship)	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Psychosis ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Depression ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Odekerken, 2013	High	Anxiety ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Cerebral damage (Cerebral infarction (perioperative))	.	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Cerebral damage (Cerebral hemmorrhage (perioperative))	.	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Epilepsy (Epilepsy (perioperative))	.	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Epilepsy (Epilepsy (postoperatively))	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Implantaion-site infection ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Facial palsy ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Dysphasia ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Dysarthria (Dysarthria)	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Dysphagia ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Hiccups ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Odekerken, 2013	High	Apraxia of eyelid opening ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Oculomotor or visual field disturbance ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Sensory disturbance ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Balance disorder ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Hypersalivation ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Emotional lability ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Paresis ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Dyskinesia (Dyskinesias)	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2013	High	Delirium ( )	12 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Karl, 2020	High	Falls (Number of at-home falls)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - Mann-Whitney test, p = 0.07	N/A	NS
Odekerken, 2016	High	Neuropsychological decline (Adverse effects: Cognitive, mood, behavioral)	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Odekerken, 2016	High	Neuropsychological decline (Decrease in neuropsychological exam)	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Loss of relationship/work (Loss of professional activity, work, or job)	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Loss of relationship/work (Loss of important relationship)	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Psychosis ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Depression ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Anxiety ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Inability to participate ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Death ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Cerebral damage (Cebral infarction or hemmorrhage)	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Reoperation ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Epilepsy ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Odekerken, 2016	High	Implantaion-site infection ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Facial palsy ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Dysphasia or dysarthria ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Dysphagia ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Hiccups ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Apraxia of eyelid opening ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Oculomotor or visual field disturbance ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Sensory disturbance ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Balance disorder ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Hypersalivation ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Emotional lability ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Paresis ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Dyskinesia ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Delirium ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS
Odekerken, 2016	High	Other adverse events ( )	36 mos	GPi DBS	STN DBS	RD	.(.,.)	NS

Table 174173: PICO 9d- DBS vs. DBS- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lizarraga, 2016	Moderate	UPDRS III ( )	.	Bilateral STN DBS: 2.2V on L and R side	Right-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	UPDRS III (MDS-UPDRS III Gait score)	.	Bilateral STN DBS: 2.2V on L and R side	Right-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	UPDRS III ( )	.	Bilateral STN DBS: 2.2V on L and R side	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	UPDRS III (MDS-UPDRS III Gait score)	.	Bilateral STN DBS: 2.2V on L and R side	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	UPDRS III ( )	.	Right-sided STN DBS: 2.2V	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	UPDRS III (MDS-UPDRS III Gait score)	.	Right-sided STN DBS: 2.2V	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
St George, 2015	Moderate	UPDRS III (UPDRS III (off medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
St George, 2015	Moderate	UPDRS III (UPDRS III (on medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
St George, 2015	Moderate	UPDRS III (UPDRS III (on stimulation))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
St George, 2015	Moderate	UPDRS III (UPDRS III (on stimulation/on medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III-Off medication (Tremor Dominant sub-group))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III-Off medication (Intermediate sub-group))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III-Off medication (PIGD sub-group))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (Tremor Dominant subgroup)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (Intermediate subgroup)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (PIGD subgroup)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III Rigidity score (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Katz, 2015	High	UPDRS III (UPDRS III Rigidity score (Intermediate subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III Rigidity score (PIGD subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III Akinesia score (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III Akinesia score (Intermediate subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III Akinesia score (PIGD subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III Gait score (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	UPDRS III (UPDRS III Gait score (Intermediate subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Katz, 2015	High	UPDRS III (UPDRS III Gait score (PIGD subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Rocchi, 2012	High	UPDRS III (UPDRS III (Off dopamine, DBS off))	.	Bilateral GPi DBS	Bilateral STN DBS	Author Reported	N/A	NS
Rocchi, 2012	High	UPDRS III (UPDRS III (DBS on, off dopamine))	.	Bilateral GPi DBS	Bilateral STN DBS	Author Reported	N/A	NS
Rocchi, 2012	High	UPDRS III (UPDRS III (On dopamine, DBS off))	.	Bilateral GPi DBS	Bilateral STN DBS	Author Reported	N/A	NS
Rocchi, 2012	High	UPDRS III (UPDRS III (DBS on, on dopamine))	.	Bilateral GPi DBS	Bilateral STN DBS	Author Reported	N/A	NS
Follett, 2010	High	UPDRS III (UPDRS III (with stimulation, without medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	UPDRS III (UPDRS III (with stimulation, without medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Follett, 2010	High	UPDRS III (UPDRS III (with stimulation, with medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	UPDRS III (UPDRS III (with stimulation, with medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	UPDRS III (UPDRS III (without stimulation, without medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	UPDRS III (UPDRS III (without stimulation, without medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	UPDRS III ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Dyskinesia (Motor function with troublesome dyskinesia)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	UPDRS III (UPDRS III (off medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Odekerken, 2013	High	Dyskinesia (Clinical dyskinesia rating scale (off medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	UPDRS III (UPDRS III (on medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	Dyskinesia (Clinical dyskinesia rating scale (on medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	Time in off-state (hr/day)	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	Dyskinesia (Time in on-phase without dyskinesias (hr/day))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	Dyskinesia (Time in on-phase with dyskinesias (hr/day))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	UPDRS III (UPDRS III (27-30 (off medication)))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	UPDRS III (UPDRS III (27-30 (on medication)))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Karl, 2020	High	UPDRS III (MDS-UPDRS III)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - P=0.02, t-test	N/A	NS
Karl, 2020	High	UPDRS IV (MDS-UPDRS IV)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - P=0.003, t-test	N/A	NS
Karl, 2020	High	Modified AIMS (Abnormal Involuntary Movement Scale) ( )	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - Mann-Whitney test, p = 0.09	N/A	NS
Karl, 2020	High	Bradykinesia Score (BKS) ( )	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Karl, 2020	High	Dyskinesia (Dyskinesia Score (DKS))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Karl, 2020	High	Dyskinesia (Motor fluctuation and dyskinesia score (FDS))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (on stimulation, off medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (on stimulation, off medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (on stimulation, off medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (on stimulation, on medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (on stimulation, on medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Weaver, 2012	Moderate	UPDRS III (UPDRS III (on stimulation, on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (off stimulation, off medication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (off stimulation, off medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS III (UPDRS III (off stimulation, off medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS IV (UPDRS IV (Dyskinesia))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS IV (UPDRS IV (Dyskinesia))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS IV (UPDRS IV (Dyskinesia))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS IV ( )	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Weaver, 2012	Moderate	UPDRS IV ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS IV ( )	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	UPDRS III (UPDRS III (off medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	UPDRS III (UPDRS III (27-30 (off medication)))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	Dyskinesia (Clinical dyskinesia rating scale (off medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	UPDRS III (Academic Medical Center Linear Disability Score (ALDS) (on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	Dyskinesia (Clinical dyskinesia rating scale (on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Table 175174: PICO 9d- DBS vs. DBS- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lizarraga, 2016	Moderate	Stride (Stride length)	.	Bilateral STN DBS: 2.2V on L and R side	Right-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Stride (Stride velocity)	.	Bilateral STN DBS: 2.2V on L and R side	Right-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Turning (Turn duration (sec))	.	Bilateral STN DBS: 2.2V on L and R side	Right-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Stride (Stride length)	.	Bilateral STN DBS: 2.2V on L and R side	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Stride (Stride velocity)	.	Bilateral STN DBS: 2.2V on L and R side	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Turning (Turn duration (sec))	.	Bilateral STN DBS: 2.2V on L and R side	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Stride (Stride length)	.	Right-sided STN DBS: 2.2V	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Stride (Stride velocity)	.	Right-sided STN DBS: 2.2V	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
Lizarraga, 2016	Moderate	Turning (Turn duration (sec))	.	Right-sided STN DBS: 2.2V	Left-sided STN DBS: 2.2V	Author Reported	N/A	NS
St George, 2015	Moderate	Step (Stepping latency)	6 mos	GPi DBS	STN DBS	Author Reported - p = 0.05	N/A	**GPi DBS favored over STN DBS**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Katz, 2015	High	Mobility (Stand-Walk-Sit test- Off medication (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	Mobility (Stand-Walk-Sit test- Off medication (Intermediate subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	Mobility (Stand-Walk-Sit test- Off medication (PIGD subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
St George, 2014	High	Balance (Balance (Combined BaG and PIGD scores))	6 mos	GPi DBS	STN DBS	Author Reported - ANOVA, p = 0.38	N/A	NS
Rocchi, 2012	High	Amount of sway (Peak CoP (mm))	6 mos	Bilateral GPi DBS	Bilateral STN DBS	Author Reported - Author reported NS, p-val not given	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rocchi, 2012	High	Stability (Anticipatory Postural Adjustment (APA) duration (sec))	6 mos	Bilateral GPi DBS	Bilateral STN DBS	Author Reported - Author reported NS, p-val not given	N/A	NS
Rocchi, 2012	High	Step (Step length)	6 mos	Bilateral GPi DBS	Bilateral STN DBS	Author Reported - Author reported NS, p-val not given	N/A	NS
Rocchi, 2012	High	Step (Step velocity (m/s))	6 mos	Bilateral GPi DBS	Bilateral STN DBS	Author Reported - Author reported NS, p-val not given	N/A	NS
St George, 2012	Moderate	Stability (Automatic Postural Response (APR) Stability)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported - p = 0.97	N/A	NS
Follett, 2010	High	UPDRS II ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Follett, 2010	High	ADL (Schwab and England Scale)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Mobility (Stand-walk-sit test (with stimulation, with medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Mobility (Stand-walk-sit test (with stimulation, without medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Mobility (Stand-walk-sit test (without stimulation, without medication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Mobility (Self-reported motor function (hr/day)- Good motor function)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Mobility (Self-reported motor function (hr/day)- Poor motor function)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Follett, 2010	High	Mobility (Self-reported motor function (hr/day)-Asleep)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Mobility (Finger taps)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	ADL (Academic Medical Center Linear Disability Score (ALDS))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	ADL (Academic Medical Center Linear Disability Score (ALDS) (off medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	UPDRS II (UPDRS II (off medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	ADL (Academic Medical Center Linear Disability Score (ALDS) (on medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	UPDRS II (UPDRS II (on medication))	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Karl, 2020	High	UPDRS II (MDS-UPDRS II)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Karl, 2020	High	FOG ( )	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - P=0.04, t-test	N/A	NS
Karl, 2020	High	Balance (ABC)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Karl, 2020	High	Fall Fear/Risk (FES)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Karl, 2020	High	Turning (Better Upper Limb Bradykinesia (BULB) tool-Left (turns))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - P=0.01, t-test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Karl, 2020	High	Turning (Better Upper Limb Bradykinesia (BULB) tool-Right (turns))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - P=0.01, t-test	N/A	NS
Karl, 2020	High	Mobility (TUG)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - P=0.01, t-test	N/A	NS
Karl, 2020	High	Mobility (TUG (steps))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - P=0.001, t-test	N/A	NS
Karl, 2020	High	Mobility (Hand /arm movement between 2 points- Left (sec))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Karl, 2020	High	Mobility (Hand /arm movement between 2 points- Right (sec))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Karl, 2020	High	Tremor (Percent of time with Tremor (PTT))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Karl, 2020	High	Time spent immobile (Percent of time spent immobile (PTI))	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Weaver, 2012	Moderate	UPDRS II ( )	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS II ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS II ( )	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	UPDRS II (UPDRS II (off medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	ADL (Schwab and England Scale (off medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Odekerken, 2016	High	ADL (Academic Medical Center Linear Disability Score (ALDS) (off medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	ADL (Academic Medical Center Linear Disability Score (ALDS) (on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	UPDRS II (UPDRS II (on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	ADL (Schwab and England Scale (on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Table 176175: PICO 9d- DBS vs. DBS- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Katz, 2015	High	LEDD (Tremor Dominant subgroup)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	LEDD (Intermediate subgroup)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	LEDD (PIGD subgroup)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	LEDD ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	LEDD ( )	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	LEDD ( )	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	LEDD ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	LEDD ( )	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Table 177176: PICO 9d- DBS vs. DBS- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (WAIS-III Digit Symbol)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Symbol Search)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (TMT A)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (TMT B)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Animal naming)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Processing speed: Grocery Naming)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Word Reading)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Color Naming)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Color-Word)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (WAIS-III Digits Forward)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Digits Backward)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Letter-Number)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Phonemic Fluency (F, A, S))	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Arithmetic)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WAIS-III Similarities)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Boston Naming Test)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT Trials 1-3 Total)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT-R Delayed Recall)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (HVLT-R Recognition)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rothlind, 2015	Moderate	Cognition (BVMT-R Trials 1-3 Total)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (BVMT-R Delayed Recall)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (BVMR-R Discrimination)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WCST Total Errors)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (WCST Preservations)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Rothlind, 2015	Moderate	Cognition (Stroop Interference Index)	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported	N/A	NS
Follett, 2010	High	UPDRS I ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Depression (BDI)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Mattis Dementia Rating Scale)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Follett, 2010	High	Cognition (Weschler Adult Intelligence Scale III (Processing speed index))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Weschler Adult Intelligence Scale III (Working memory index))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Verbal fluency (Phonemic))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Verbal fluency (Semantic))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Hopkins verbal learning test T score (Total))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Hopkins verbal learning test T score (Delayed recall))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Boston Naming Test)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Follett, 2010	High	Cognition (Wisconsin Card Sorting test T score)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Stroop interference T score)	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Brief visuospatial memory test T score (Delayed recall))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	Cognition (Brief visuospatial memory test T score (Total))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	Sleep (PDSS)	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Karl, 2020	High	UPDRS I (MDS-UPDRS I)	.	Dual frequency DBS programming paradigm (Interleave-interlink, IL-IL): 2 weeks, 130-185 Hz and 60-80 Hz	Conventional high frequency DBS stimulation paradigm: 2 weeks, 130-185 Hz	Author Reported - T test	N/A	NS
Weaver, 2012	Moderate	UPDRS I ( )	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	UPDRS I ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Weaver, 2012	Moderate	UPDRS I ( )	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	Sleep (PDSS (on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Table 178177: PICO 9d- DBS vs. DBS- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
St George, 2012	Moderate	Agonist/antagonist muscle activity (Tibialis anterior burst duration (DBS ON vs. DBS OFF))	6 mos	GPi DBS: 6 months	STN DBS: 6 months	Author Reported - p = 0.26	N/A	NS

Table 179178: PICO 9d- DBS vs. DBS- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Katz, 2015	High	PDQ-39 (PDQ-39 (Mobility) (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (Mobility) (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (Mobility) (PIGD subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (ADL) (Tremor Dominant sub-group))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (ADL) (Intermediate sub-group))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (ADL) (PIGD sub-group))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Katz, 2015	High	PDQ-39 (PDQ-39 (Emotional well-being) (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (Emotional well-being) (Intermediate subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (Emotional well-being) (PIGD subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (Social Support) (Tremor Dominant subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (Social Support) (Intermediate subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Katz, 2015	High	PDQ-39 (PDQ-39 (Social Support) (PIGD subgroup))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Follett, 2010	High	PDQ-39 (PDQ-39 (Mobility))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 (PDQ-39 (ADL))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 (PDQ-39 (Emotional well-being))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 (PDQ-39 (Stigma))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 (PDQ-39 (Social support))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 (PDQ-39 (Cognition))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 (PDQ-39 (Communication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 (PDQ-39 (Bodily discomfort))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Follett, 2010	High	PDQ-39 ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2013	High	PDQL (PDQL Total)	12 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Mobility))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Mobility))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Mobility))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (ADL))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (ADL))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (ADL))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Stigma))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Stigma))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Stigma))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Social support))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Social support))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Social support))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Cognition))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Cognition))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Cognition))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Communication))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Communication))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Communication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 ( )	6 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 ( )	24 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Weaver, 2012	Moderate	PDQ-39 ( )	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS
Odekerken, 2016	High	PDQL (PDQL (on medication))	36 mos	GPi DBS	STN DBS	Author Reported	N/A	NS

Table 17980: PICO 9e- Age

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Voss, 2012	High	Fall risk	18 mos	413	9: Prognostic	Age-cont.	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	OR, CI	1.05 (1.02, 1.08)	Lower age is associated with lower fall risk.
Voss, 2012	High	Number of falls (Falling after experiencing one fall)	18 mos	413	9: Prognostic	Age-cont.	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	RR, CI	1.02 (1, 1.04)	NS
Voss, 2012	High	Remaining fall-free	18 mos	413	9: Prognostic	Age-cont.	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	OR, CI	0.95 (0.93, 0.98)	Lower age is associated with a greater probability of remaining fall-free.

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Age-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.004 (-0.039, 0.031)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Age by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.041 (-0.05, -0.03)	Shorter visit tme is associated with a slower rate of weight loss.
King, 2015	High	Physical Performance Test	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Age-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.12	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	LARS (Lille Apathy Rating Scale)	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Age-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.55	NS
King, 2015	High	Physical Performance Test	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	Age-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.45	NS
King, 2015	High	LARS (Lille Apathy Rating Scale)	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	Age-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.07	NS
King, 2015	High	Physical Performance Test	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	Age-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.2	NS
King, 2015	High	LARS (Lille Apathy Rating Scale)	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	Age-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.02	Lower age is associated with better LARS score

Table 181: PICO 9f- GDS score

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	UPDRS III	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	GDS-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.49	NS
King, 2015	High	UPDRS III	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	GDS-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.56	NS

Table 182: PICO 9g- Higher Comorbidities

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	UPDRS II	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	CIRS-G-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.04	Better CIRS-G score is associated with better UPDRS II score.
King, 2015	High	Stride time variability	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	CIRS-G-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.02	Better CIRS-G score is associated with less stride time variability.
King, 2015	High	UPDRS II	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	CIRS-G-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.28	NS
King, 2015	High	Stride time variability	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	CIRS-G-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.29	NS
King, 2015	High	UPDRS II	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	CIRS-G-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.12	NS
King, 2015	High	Stride time variability	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	CIRS-G-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.59	NS

Table 183: PICO 9h- SDMT score

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	SDMT-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.009 (-0.02, 0.04)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	SDMT by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.009 (0.002, 0.02)	NS

Table 184: PICO 9i- Anorexia, Nausea, Vomiting

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Anorexia, nausea, or vomiting-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.19 (-0.7, 1.09)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Anorexia, nausea, or vomiting by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.21 (-0.46, 0.04)	NS

Table 185: PICO 9j- Cognitive impairment

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	FOG	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	MCI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.006	Absence of MCI is associated with decreased FOG
King, 2015	High	Stride time variability	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	MCI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.02	Absence of MCI is associated with less stride time variability
King, 2015	High	FOG	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.0063	Better MOCA score is associated with decreased FOG
King, 2015	High	Stride velocity	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.04	Better MOCA score is associated with higher stride velocity
King, 2015	High	Stride time variability	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.07	NS
King, 2015	High	Turn duration	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.05	Better MOCA score is associated with shorter turn duration
King, 2015	High	FOG	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	MCI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.49	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	Stride time variability	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	MCI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.37	NS
King, 2015	High	FOG	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.41	NS
King, 2015	High	Stride velocity	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.35	NS
King, 2015	High	Stride time variability	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.2	NS
King, 2015	High	Turn duration	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	MOCA-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.68	NS
King, 2015	High	FOG	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	MCI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.04	Absence of MCI is associated with decreased FOG
King, 2015	High	Stride time variability	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	MCI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.86	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	FOG	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	MOCA -cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.48	NS
King, 2015	High	Stride velocity	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	MOCA -cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.83	NS
King, 2015	High	Stride time variability	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	MOCA -cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.25	NS
King, 2015	High	Turn duration	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	MOCA -cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.52	NS
Strouwen, 2019	Moderate	Change in DT gait velocity during digit span task	12 wks	103	9: Prognostic (Dual task training (integrated or consecutive))	ScopaCog-cont.	DT gait velocity during digit span task; ScopaCog	? coeff, CI	0.837 (0.404, 1.27)	Higher ScopaCog performance is associated is associated with increase in DT gait velocity during digit span task
Strouwen, 2019	Moderate	Change in DT gait velocity during Stroop task	12 wks	112	9: Prognostic (Dual task training (integrated or consecutive))	ScopaCog-cont.	DT gait velocity during Stroop task; ScopaCog; UPDRS III	? coeff, CI	0.68 (0.26, 1.09)	Higher ScopaCog performance is associated is associated with increase in DT gait velocity during Stroop task

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Strouwen, 2019	Moderate	Change in DT gait velocity during mobile phone task	12 wks	114	9: Prognostic (Dual task training (integrated or consecutive))	ScopaCog-cont.	DT gait velocity during mobile phone task; ScopaCog; LED	? coeff, CI	0.74 (0.28, 1.19)	Higher ScopaCog performance is associated with increase during DT gait velocity in mobile phone task

Table 186: PICO 9k- Difficulty eating

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Difficulty eating/drinking	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.33 (-0.27, 0.92)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Difficulty eating/drinking by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.22 (-0.38, -0.06)	Less difficulty eating/drinking is associated with a slower rate of weight loss.

Table 187: PICO 9l- Gender

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Male vs. Female	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.27 (-0.94, 0.4)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Male vs. Female	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.33 (0.15, 0.5)	Females are associated with a slower rate of weight gain.

Table 188: PICO 9m- High fatigue

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Elbers, 2009	High	Dynamic activity (% dynamic activity during each monitoring session)	12 wks	153	9: Prognostic (Cueing training)	Multidimensional Fatigue Inventory (MFI)-cont.	HADS depression; UPDRS III (on medication); HADS anxiety; Age; Dopamine agonist; Levodopa + Entacapone; Levodopa; Brixton S; Brixton R; Medication other; Selegeline; Disease duration; H&Y (on medication); Social support	? coeff, SE	-0.092, 0.037	Less fatigue (lower MFI) is associated with greater physical activity.

Table 189: PICO 9n- Higher BMI and weight

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Baseline weight (kg)-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0 (-0.02, 0.02)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Baseline weight (kg) by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.025 (-0.03, -0.02)	Smaller baseline weight is associated with a slower rate of weight loss.

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	Stride time variability	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.0012	Lower BMI is associated with less stride time variability
King, 2015	High	Turn duration	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.0013	Lower BMI is associated with shorter turn duration.
King, 2015	High	TUG	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.0004	Lower BMI is associated with better TUG score.
King, 2015	High	LARS (Lille Apathy Rating Scale)	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.16	NS
King, 2015	High	Stride time variability	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.6	NS
King, 2015	High	Turn duration	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.05	Lower BMI is associated with shorter turn duration.
King, 2015	High	TUG	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.78	NS
King, 2015	High	LARS (Lille Apathy Rating Scale)	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.73	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	Stride time variability	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.93	NS
King, 2015	High	Turn duration	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.51	NS
King, 2015	High	TUG	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.99	NS
King, 2015	High	LARS (Lille Apathy Rating Scale)	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	BMI-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.04	Lower BMI is associated with better LARS score

Table 190: PICO 9o- Longer disease duration

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Disease duration (yrs)-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.32 (-0.55, -0.09)	Shorter disease duration is associated with less weight loss.

Table 191: PICO 9p- More disease progression

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Voss, 2012	High	Fall risk	18 mos	413	9: Prognostic	UPDRS falling >0 vs. UPDRS falling <0	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	OR, CI	7.1 (2.7, 18.8)	UPDRS falling <0 is associated with lower fall risk.
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	UPDRS III-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.002 (-0.045, 0.042)	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Average tremor score-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.21 (-1.18, 0.77)	NS
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Postural instability-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.63 (-1.73, 0.48)	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	UPDRS III by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.016 (-0.03, -0.004)	Lower UPDRS III scores are associated with a slower rate of weight loss.
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Average tremor score by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.51 (0.25, 0.77)	Lower average tremor score is associated with a slower rate of weight gain.

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Postural instability by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.53 (-0.84, -0.22)	Less postural instability is associated with a slower rate of weight loss.
King, 2015	High	Arm velocity	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.13	NS
King, 2015	High	Stride time variability	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.02	Better UPDRS III score is associated with less stride time variability
King, 2015	High	UPDRS II	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.69	NS
King, 2015	High	Arm velocity	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.45	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	Stride time variability	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.008	Better UPDRS III score is associated with less stride time variability
King, 2015	High	UPDRS II	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.63	NS
King, 2015	High	Arm velocity	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.05	Better UPDRS III score is associated with increased arm velocity
King, 2015	High	Stride time variability	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	UPDRS III-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.58	NS
Strouwen, 2019	Moderate	Change in DT gait velocity during Stroop task	12 wks	112	9: Prognostic (Dual task training (integrated or consecutive))	UPDRS III-cont.	DT gait velocity during Stroop task; ScopaCog; UPDRS III	? coeff, CI	-0.26 (-0.44, -0.08)	Lower UPDRS III score is associated with increase in DT gait velocity during Stroop task

Table 192: PICO 9q- More medications

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Creatine vs. Placebo	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.47 (-0.08, 1.03)	NS
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Levodopa and dopamine agonist vs. Dopamine agonist only	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.53 (-1.27, 0.22)	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	Levodopa only vs. Dopamine agonist only	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-1.44 (-2.26, -0.62)	Dopamine agonist only is associated with less weight loss.
Wills, 2017	Moderate	Weight change	1 yrs	1619	9: Prognostic	LEDD-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.032 (-0.1, 0.17)	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Creatine by time vs. Placebo	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	0.16 (0.009, 0.31)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Levodopa and dopamine agonist by time vs. Dopamine agonist only	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.16 (-0.36, 0.03)	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	Levodopa only vs. Dopamine agonist only	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.28 (-0.5, -0.06)	NS
Wills, 2017	Moderate	Rate of weight change (Interactions with time (effects on changing slope b/w years 1 &6))	6 yrs	1619	9: Prognostic	LEDD (100mg) by time-cont.	Visit time; Age; Creatine; Type of dopaminergic therapy; UPDRS III; SDMT; Baseline weight; LEDD; Gender; Anorexia, nausea, vomiting; Difficulty eating/drinking; Disease duration; Average tremor score; Postural instability; Age by time; Creatine by time; Type of dopamingergic therapy by time; UPDRS III by time; SDMT by time; Baseline weight by time; LEDD by time; Gender by time; Anorexia, nausea, vomiting by time; Difficulty eating/drinking by time; Average tremor score by time; Postural instability by time	? coeff, CI	-0.075 (-0.11, -0.04)	Lower LEDD is associated with a slower rate of weight loss.
King, 2015	High	FOG	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.55	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	Stride time variability	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.04	Greater number of medications is associated with less stride time variability
King, 2015	High	Stride velocity	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.02	Greater number of medications is associated with increased stride velocity
King, 2015	High	TUG	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.32	NS
King, 2015	High	Dual task TUG	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.0009	Greater number of medications is associated with better dual task TUG score
King, 2015	High	UPDRS II	Post-inter	17	9: Prognostic (Home exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.032	Greater number of medications is associated with better UPDRS II score
King, 2015	High	FOG	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.37	NS
King, 2015	High	Stride time variability	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.35	NS

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	Stride velocity	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.86	NS
King, 2015	High	TUG	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.49	NS
King, 2015	High	Dual task TUG	Post-inter	20	9: Prognostic (Group class exercise (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.88	NS
King, 2015	High	FOG	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.01	Greater number of medications is associated with decreased FOG
King, 2015	High	Stride time variability	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.46	NS
King, 2015	High	Stride velocity	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.37	NS
King, 2015	High	TUG	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.02	Greater number of medications is associated with better TUG score

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
King, 2015	High	Dual task TUG	Post-inter	21	9: Prognostic (Individual physical therapy (Agility Boot Camp program))	Number of medications-cont.	Depression; Co-morbidity score; MCI; Number of medications; UPDRS III; Age; BMI; MOCA	P value	p= 0.12	NS
Strouwen, 2019	Moderate	Change in DT gait velocity during mobile phone task	12 wks	114	9: Prognostic (Dual task training (integrated or consecutive))	LED-cont.	DT gait velocity during mobile phone task; ScopaCog; LED	? coeff, CI	0.006 (0.001, 0.011)	Higher LED is associated with increase in DT gait velocity during mobile phone task

Table 193: PICO 9r- Poor QoL

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Voss, 2012	High	Fall risk	18 mos	413	9: Prognostic	PDQ-39 summary score-cont.	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	OR, CI	1.05 (1.02, 1.07)	Lower PDQ-39 summary scores (higher QoL) are associated with lower fall risk.
Voss, 2012	High	Number of falls (Falling after experiencing one fall)	18 mos	413	9: Prognostic	PDQ-39 summary score-cont.	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	RR, CI	1 (0.98, 1.01)	NS
Voss, 2012	High	Remaining fall-free	18 mos	413	9: Prognostic	PDQ-39 summary score-cont.	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	OR, CI	0.96 (0.93, 0.98)	Lower PDQ-39 summary scores (higher QoL) are associated with a greater probability of remaining fall-free.

Table 194: PICO 9s- Poor UPDRS Falls score

Reference Title	Quality	Outcome Details	Duration	N	Treatment (Details)	Comparison	Confounding Adjustment	Statistic	Result	Significance
Voss, 2012	High	Number of falls (Falling after experiencing one fall)	18 mos	413	9: Prognostic	UPDRS falling >0 vs. UPDRS falling <0	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	RR, CI	2.92 (1.64, 4.2)	UPDRS falling <0 is associated with a lower number of falls.
Voss, 2012	High	Remaining fall-free	18 mos	413	9: Prognostic	UPDRS falling >0 vs. UPDRS falling <0	Age; Comorbidity of neurological disorder; comorbidity of depression; GDS; UPDRS total; PIGD; UPDRS falling >0; UPDRS walking >0; UPDRS gait >0; PDQ-39 fear of falling; Disease duration; PDQ-39 summary score; H&Y score	OR, CI	0.14 (0, 0.28)	UPDRS falling <0 is associated with a greater probability of remaining fall-free.

PICO 10

Table 195180: PICO 10a- PT with behavioral change vs. Control- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
van Nimwegen, 2013	Moderate	Sessions completed (Participants who did not complete intervention)	24 mos	ParkFit (behavioral change program): 35 sessions/yr, 2 yrs	Control (ParkSafe) (General physiotherapy): 35 sessions/yr, 2 yrs	RR	1.36(0.89,2.09)	NS

Table 196181: PICO 10a- PT with behavioral change vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kraepelien, 2020	High	Adverse events ( )	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	RD	.(.,.)	NS

Table 197182: PICO 10a- PT with behavioral change vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cabrera-Martos, 2019	High	Hand/UE dexterity (Dexterity: Purdue Pegboard M (number of pins))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	3.22 (1.60, 4.84)	**Goal-oriented Intervention (Home-based by physical and occupational therapist)**
Cabrera-Martos, 2019	High	Hand/UE dexterity (Dexterity: Purdue Pegboard L (number of pins))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	2.44 (0.73, 4.15)	**Goal-oriented Intervention (Home-based by physical and occupational therapist)**
Cabrera-Martos, 2019	High	Hand/UE dexterity (Dexterity: Purdue Pegboard bimanual (number of pins))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	4.07 (1.95, 6.19)	**Goal-oriented Intervention (Home-based by physical and occupational therapist)**
Cabrera-Martos, 2019	High	Hand/UE dexterity (Dexterity: Assembly task (number of pieces))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	3.77 (1.06, 6.48)	**Goal-oriented Intervention (Home-based by physical and occupational therapist)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cabrera-Martos, 2019	High	Strength/Power (Grip strength (More affected))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	3.74 (-1.04, 8.52)	NS
Cabrera-Martos, 2019	High	Strength/Power (Grip strength (Less affected))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	1.49 (-2.62, 5.60)	NS
Cabrera-Martos, 2019	High	Strength/Power (Pinch strength M (most affected limb))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	1.72 (0.67, 2.77)	**Goal-oriented Intervention (Home-based by physical and occupational therapist)**
Cabrera-Martos, 2019	High	Strength/Power (Pinch strength L (less affected limb))	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	1.52 (0.48, 2.56)	**Goal-oriented Intervention (Home-based by physical and occupational therapist)**
Ghielen, 2017	High	Self-efficacy (GSES)	.	BEWARE (Body awareness training (acceptance and commitment therapy) combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	Self-efficacy (GSES)	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	ADL (NEADL (Mobility))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	ADL (NEADL (Mobility))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	ADL (NEADL (Kitchen activities))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	ADL (NEADL (Kitchen activities))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	ADL (NEADL (Domestic tasks))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	ADL (NEADL (Domestic tasks))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	ADL (NEADL (Leisure activities))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	ADL (NEADL (Leisure activities))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Walk test (10MWT time)	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Walk test (10MWT time)	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Walk test (10MWT (steps))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	Walk test (10MWT (steps))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Stance duration (One Leg Stance Test-Left (sec))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Stance duration (One Leg Stance Test-Left (sec))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Stance duration (One Leg Stance Test-Right (sec))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Stance duration (One Leg Stance Test-Right (sec))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	FOG ( )	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	FOG ( )	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
van Nimwegen, 2013	Moderate	Walk test (6MWT (m))	24 mos	ParkFit (behavioral change program): 35 sessions/yr, 2 yrs	Control (ParkSafe) (General physiotherapy): 35 sessions/yr, 2 yrs	Mean Difference	9.6 (-6.15, 25.35)	NS
Murdoch, 2020	High	Self-efficacy (SECD (Self-efficacy for managing chronic disease))	6 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	N/A	NS
Murdoch, 2020	High	Self-efficacy (SECD (Self-efficacy for managing chronic disease))	12 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	7.11(.,.)	NS
Kraepelien, 2020	High	WSAS (Work and Social Adjustment Scale) ( )	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS
Kraepelien, 2020	High	WHODAS 2.0 ( )	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kraepelien, 2020	High	Self-efficacy (SECD (Self-efficacy for managing chronic disease))	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS

Table 198183: PICO 10a- PT with behavioral change vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Digit Span Forward)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.39 (-1.89, 1.11)	NS
Silveira, 2018	High	Cognition (Digit Span Backward)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.77 (-2.07, 0.53)	NS
Silveira, 2018	High	Cognition (CBTT (Corsi's block-tapping test))	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	0.08 (-0.76, 0.92)	NS
Silveira, 2018	High	Cognition (TMT A)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-6.67 (-36.24, 22.90)	NS
Silveira, 2018	High	Cognition (TMT B)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-14 (-194.38, 166.38)	NS
Silveira, 2018	High	Cognition (Stroop Word)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-4.63 (-19.60, 10.34)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Stroop Color Naming)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	1.28 (-10.08, 12.64)	NS
Silveira, 2018	High	Cognition (Stroop Color-Word)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-6.14 (-13.64, 1.36)	NS
Silveira, 2018	High	Cognition (CVLT short recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.05 (-1.33, 1.23)	NS
Silveira, 2018	High	Cognition (CVLT long recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.17 (-1.50, 1.16)	NS
Silveira, 2018	High	Cognition (Rey-O short recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-3.5 (-8.18, 1.18)	NS
Silveira, 2018	High	Cognition (Rey-O long recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-3.16 (-7.75, 1.43)	NS
Silveira, 2018	High	Cognition (Phonemic Fluency)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-2.88 (-6.18, 0.42)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Semantic Fluency)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-2.33 (-5.54, 0.88)	NS
Silveira, 2018	High	Cognition (Boston Naming Test)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.57 (-1.38, 0.24)	NS
Silveira, 2018	High	Cognition (Copy of the Intersected Pentagons)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-0.07 (-1.30, 1.16)	NS
Silveira, 2018	High	Cognition (Bensten Line Orientation)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Control (Usual care): 1hr, 3x/week, 12 weeks	Mean Difference	-1.75 (-5.16, 1.66)	NS
Ghielen, 2017	High	Anxiety (BAI)	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Anxiety (BAI)	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	Depression (BDI)	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	Depression (BDI)	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Dobkin, 2020	High	Depression (HAM-D)	.	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS
Dobkin, 2020	High	Depression (HAM-D)	6 mos	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS
Dobkin, 2020	High	Depression (BDI)	.	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS
Dobkin, 2020	High	Depression (BDI)	6 mos	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS
Dobkin, 2020	High	Anxiety (HAM-A)	.	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Dobkin, 2020	High	Anxiety (HAM-A)	6 mos	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS
Murdoch, 2020	High	Anxiety (BAI)	6 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	N/A	NS
Murdoch, 2020	High	MHC-SF (Mental Health Continuum) ( )	6 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	N/A	NS
Murdoch, 2020	High	Anxiety (BAI)	12 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	1.47(.,.)	NS
Murdoch, 2020	High	MHC-SF (Mental Health Continuum) ( )	12 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	4.88(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Kraepelien, 2020	High	Anxiety (HADS (Anxiety))	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS
Kraepelien, 2020	High	Depression (HADS (Depression))	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS
Kraepelien, 2020	High	Sleep (Insomnia Severity Index)	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS

Table 199184: PICO 10a- PT with behavioral change vs. Control- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vaughan, 2019	High	Bladder control (Urinary incontinence (bladder diary))	8 wks	Behavioral therapy (Pelvic floor muscle exercises): Daily, 8 weeks	Control (Bladder diaries, Mirrored-shape drawing): Daily, 8 weeks	Mean Difference	-0.8 (-6.32, 4.72)	NS
Cabrera-Martos, 2019	High	Goal attainment scaling ( )	.	Goal-oriented Intervention (Home-based by physical and occupational therapist): 45min, 2x/wk, 4 weeks	Control (Standard care- Home based): 45min, 2x/wk, 4 weeks	Mean Difference	13.45 (10.38, 16.52)	**Goal-oriented Intervention (Home-based by physical and occupational therapist)**
Diez-Circada, 2017	High	Brain connectivity/activation (Resting state fMRI: Functional connectivity b/w Left interior temporal lobe and left & right dorsolateral prefrontal cortex)	.	Integrative cognitive rehabilitation program (REHACOP): 3 months	Control (Occupational therapy): 3 months	Author Reported - p = 0.03	N/A	**REHACOP favored over Control**
Diez-Circada, 2017	High	Brain connectivity/activation (Brain activation: Left middle temporal lobe)	.	Integrative cognitive rehabilitation program (REHACOP): 3 months	Control (Occupational therapy): 3 months	Author Reported - p < 0.05	N/A	**REHACOP favored over Control**

Table 200185: PICO 10a- PT with behavioral change vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Vaughan, 2019	High	ICIQ (Incontinence Questionnaire) (ICIQ-OAB symptom score)	8 wks	Behavioral therapy (Pelvic floor muscle exercises): Daily, 8 weeks	Control (Bladder diaries, Mirrored-shape drawing): Daily, 8 weeks	Mean Difference	-0.6 (-1.98, 0.78)	NS
Vaughan, 2019	High	ICIQ (Incontinence Questionnaire) (ICIQ-OAB bother score)	8 wks	Behavioral therapy (Pelvic floor muscle exercises): Daily, 8 weeks	Control (Bladder diaries, Mirrored-shape drawing): Daily, 8 weeks	Mean Difference	-4.5 (-9.68, 0.68)	NS
Vaughan, 2019	High	ICIQ (Incontinence Questionnaire) (ICIQ-OAB QoL score)	8 wks	Behavioral therapy (Pelvic floor muscle exercises): Daily, 8 weeks	Control (Bladder diaries, Mirrored-shape drawing): Daily, 8 weeks	Mean Difference	-11.3 (-23.50, 0.90)	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Mobility))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Mobility))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	PDQ-39 (PDQ-39 (ADL))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (ADL))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Emotional well-being))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Emotional well-being))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Stigma))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Stigma))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Social support))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Social support))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Cognition))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Cognition))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Communication))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Communication))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
Ghielen, 2017	High	PDQ-39 (PDQ-39 (Bodily discomfort))	3 mos	BEWARE (Body awareness training combined with physical therapy): 1hr, 2x/week, 6 weeks	Control (Usual care- conventional physical therapy): 1hr, 2x/week, 6 weeks	Author Reported	N/A	NS
van Nimwegen, 2013	Moderate	PDQ-39 ( )	24 mos	ParkFit (behavioral change program): 35 sessions/yr, 2 yrs	Control (ParkSafe) (General physiotherapy): 35 sessions/yr, 2 yrs	Mean Difference	-1.3 (-3.50, 0.90)	NS
van Nimwegen, 2013	Moderate	Satisfaction ( )	24 mos	ParkFit (behavioral change program): 35 sessions/yr, 2 yrs	Control (ParkSafe) (General physiotherapy): 35 sessions/yr, 2 yrs	RR	1.03(0.92,1.14)	NS
Tickle-Degnen, 2010	High	PDQ-39 (Scale range?)	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.4 (-6.45, -0.35)	**18 hrs Self-management Rehabilitation (group clinic & attention control social sessions)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 ( )	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.1 (-4.74, 0.54)	NS
Tickle-Degnen, 2010	High	PDQ-39 ( )	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.3 (-5.35, 0.75)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Mobility))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.1 (-8.37, 2.17)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Mobility))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1.9 (-7.31, 3.51)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Mobility))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1.5 (-6.91, 3.91)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (ADL))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.6 (-8.01, 2.81)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (ADL))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.3 (-8.54, 3.94)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (ADL))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.7 (-9.22, 3.82)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Emotional well-being))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.2 (-8.33, 1.93)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Emotional well-being))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2 (-7.41, 3.41)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Emotional well-being))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4.1 (-9.78, 1.58)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Stigma))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.5 (-9.04, 2.04)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Stigma))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-0.7 (-6.11, 4.71)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Stigma))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4 (-8.99, 0.99)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Social support))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-0.4 (-5.81, 5.01)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Social support))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1.5 (-6.49, 3.49)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Social support))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	1.6 (-3.11, 6.31)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Cognition))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4.2 (-8.78, 0.38)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Cognition))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1 (-5.85, 3.85)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Cognition))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-0.1 (-5.51, 5.31)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Communication))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.9 (-10.14, 2.34)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Communication))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4.5 (-10.04, 1.04)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Communication))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	1 (-5.24, 7.24)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.2 (-9.99, 3.59)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Bodily discomfort))	2 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	2.2 (-5.42, 9.82)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Bodily discomfort))	6 mos	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.2 (-10.82, 4.42)	NS
Tickle-Degnen, 2010	High	PDQ-39 ( )	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.7 (-6.75, -0.65)	**27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 ( )	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.2 (-4.84, 0.44)	NS
Tickle-Degnen, 2010	High	PDQ-39 ( )	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.3 (-6.35, -0.25)	**27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions)**
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Mobility))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4.5 (-9.77, 0.77)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Mobility))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.9 (-9.17, 1.37)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Mobility))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-6.3 (-11.57, -1.03)	**27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions)**
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (ADL))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4.1 (-9.51, 1.31)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (ADL))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	2 (-4.10, 8.10)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (ADL))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.3 (-8.68, 4.08)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Emotional well-being))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1.8 (-6.79, 3.19)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Emotional well-being))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.6 (-7.87, 2.67)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Emotional well-being))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4.3 (-9.84, 1.24)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Stigma))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.1 (-7.64, 3.44)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Stigma))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	1.8 (-3.47, 7.07)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Stigma))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.6 (-7.59, 2.39)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Social support))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1 (-6.27, 4.27)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Social support))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	0.6 (-4.39, 5.59)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Social support))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	3.7 (-1.01, 8.41)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Cognition))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1.9 (-6.33, 2.53)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Cognition))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-1.5 (-6.35, 3.35)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Cognition))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.1 (-7.37, 3.17)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Communication))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-6.6 (-12.70, -0.50)	**27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Communication))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-5.9 (-11.44, -0.36)	**27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions)**
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Communication))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-2.9 (-9.00, 3.20)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.8 (-10.59, 2.99)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Bodily discomfort))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-3.3 (-10.78, 4.18)	NS
Tickle-Degnen, 2010	High	PDQ-39 (PDQ-39 (Bodily discomfort))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	Control (0 hrs Rehabilitation): 6 weeks	Mean Difference	-4.7 (-12.18, 2.78)	NS
Dobkin, 2020	High	SF-36 (SF-36 MCS)	.	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS
Dobkin, 2020	High	SF-36 (SF-36 MCS)	6 mos	Telephone-based cognitive-behavioral treatment (T-CBT): 3x/wk, 3 months & 1x/month, 6 months	Control (Treatment as usual)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murdoch, 2020	High	PDQ-8 ( )	6 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	N/A	NS
Murdoch, 2020	High	PDQ-9 ( )	6 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	N/A	NS
Murdoch, 2020	High	Herth Hope Index ( )	6 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	N/A	NS
Murdoch, 2020	High	PDQ-8 ( )	12 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	1.67(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Murdoch, 2020	High	PDQ-9 ( )	12 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	0.45(.,.)	NS
Murdoch, 2020	High	Herth Hope Index ( )	12 wks	Immediate Strength, Hope, and Resources Program (SHARP-PWP) (positive psychology program): 2hr/wk, 6 weeks	Control (Delayed program (Usual care)): Started 6 week program 6 weeks after "Immediate" group	Author Reported	3.44(.,.)	NS
Kraepelien, 2020	High	PDQ-8 ( )	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS
Kraepelien, 2020	High	BBQ (Brunnsviken Brief Quality of life scale)	.	Internet-based Cognitive Behavioral Therapy (ICBT): 10 weeks	Wait-list Control (Standard medical treatment): 10 weeks	Author Reported	N/A	NS

Table 201186: PICO 10a- PT with behavioral change vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
van Nimwegen, 2013	Moderate	LAPAQ ( )	24 mos	ParkFit (behavioral change program): 35 sessions/yr, 2 yrs	Control (ParkSafe) (General physiotherapy): 35 sessions/yr, 2 yrs	Author Reported - ANOVA, p= 0.19	N/A	NS
van Nimwegen, 2013	Moderate	Total activity (Activity diary (hrs/week))	24 mos	ParkFit (behavioral change program): 35 sessions/yr, 2 yrs	Control (ParkSafe) (General physiotherapy): 35 sessions/yr, 2 yrs	Author Reported - ANOVA, p < 0.001	N/A	**ParkFit favored over ParkSafe**
van Nimwegen, 2013	Moderate	Total activity (Activity monitor (kcal/day))	24 mos	ParkFit (behavioral change program): 35 sessions/yr, 2 yrs	Control (ParkSafe) (General physiotherapy): 35 sessions/yr, 2 yrs	Author Reported - ANOVA, p < 0.002	N/A	**ParkFit favored over ParkSafe**

Table 202187: PICO 10b- PT with behavioral change vs. Other- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Digit Span Forward)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Digit Span Backward)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (CBTT (Corsi's block-tapping test))	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (TMT A)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (TMT B)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Stroop Word)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Stroop Color Naming)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Stroop Color-Word)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (CVLT short recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (CVLT long recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Rey-O short recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Rey-O long recall)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Phonemic Fluency)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Silveira, 2018	High	Cognition (Semantic Fluency)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Boston Naming Test)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Visuospatial processing: Pentagons)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS
Silveira, 2018	High	Cognition (Bensten Line Orientation)	.	Goal-based training (PD SAFEx™ – without eyes closed): 1hr, 3x/week, 12 weeks	Aerobic training (Cycle ergometers): 1hr, 3x/week, 12 weeks	Author Reported	N/A	NS

Table 203188: PICO 10c- PT with behavioral change vs. PT with behavioral change- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 ( )	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-0.3 (-3.35, 2.75)	NS
Tickle-Degnen, 2012	High	PDQ-39 ( )	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-0.1 (-2.87, 2.67)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 ( )	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-1 (-4.05, 2.05)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Mobility))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-1.4 (-6.67, 3.87)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Mobility))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-2 (-7.41, 3.41)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Mobility))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-4.8 (-10.21, 0.61)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (ADL))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-1.5 (-7.04, 4.04)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (ADL))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	4.3 (-1.94, 10.54)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (ADL))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	0.4 (-6.12, 6.92)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Emotional well-being))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	1.4 (-3.73, 6.53)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Emotional well-being))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-0.6 (-6.01, 4.81)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Emotional well-being))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-0.2 (-5.88, 5.48)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Stigma))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	1.4 (-4.14, 6.94)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Stigma))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	2.5 (-2.91, 7.91)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Stigma))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	1.4 (-3.59, 6.39)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Social support))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-0.6 (-6.01, 4.81)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Social support))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	2.1 (-2.89, 7.09)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Social support))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	2.1 (-2.61, 6.81)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Cognition))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	2.3 (-2.28, 6.88)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Cognition))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-0.5 (-5.49, 4.49)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Cognition))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-2 (-7.41, 3.41)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Communication))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-2.7 (-8.94, 3.54)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Communication))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-1.4 (-6.94, 4.14)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Communication))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-3.9 (-10.14, 2.34)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-0.6 (-7.53, 6.33)	NS
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Bodily discomfort))	2 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-5.5 (-13.12, 2.12)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Tickle-Degnen, 2012	High	PDQ-39 (PDQ-39 (Bodily discomfort))	6 mos	27 hrs Self-management Rehabilitation (group clinic & individual home or community sessions): 4.5hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk & home or community session: 1.5hr/wk, 1x/wk); 6 weeks	18 hrs Self-management Rehabilitation (group clinic & attention control social sessions): 3hrs/wk (group clinic sessions: 1.5hr/wk, 2x/wk) & social group sessions: 1.5hr/wk, 1x/wk; 6 weeks	Mean Difference	-1.5 (-9.12, 6.12)	NS

PICO 11

Table 204189: PICO 11a- Interdisciplinary care vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (on medication))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (on medication))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (on medication))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (off medication))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (off medication))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (off medication))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (on medication))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (on medication))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (on medication))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (off medication))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (off medication))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (off medication))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Abraham, 2018	High	Pain (BPI severity)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-0.73 (-2.68, 1.22)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2018	High	Pain (BPI interference)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-0.73 (-2.08, 0.62)	NS
Clarke, 2016	Moderate	Falls (Injurious falls (Fallers))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	RR	1.12(0.46,2.72)	NS
Clarke, 2016	Moderate	Falls (Injurious falls (Fallers))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	RR	2.01(0.37,10.91)	NS
Clarke, 2016	Moderate	Falls (Serious injurious falls)	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	RR	0.91(0.62,1.33)	NS
Clarke, 2016	Moderate	Falls (Serious injurious falls)	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	RR	0.87(0.38,1.97)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	Minor adverse events (Minor adverse effects: Transient pain worsening)	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	RD	.(.,.)	NS
Monticone, 2015	High	Minor adverse events (Minor adverse effects: Mood disorders)	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	RD	.(.,.)	NS
Monticone, 2015	High	Minor adverse events (Minor adverse effects: Sensory & autonomic problems)	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2007	High	Serious adverse events (Injuries requiring medical help (1 or more))	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Fractures ( )	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2019	Moderate	Death (Unrelated deaths)	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	RD	.(.,.)	NS

Table 205190: PICO 11a- Interdisciplinary care vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Abraham, 2018	High	UPDRS III ( )	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0.4 (-10.98, 11.78)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2018	High	UPDRS IV ( )	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-0.9 (-4.39, 2.59)	NS
Monticone, 2015	High	UPDRS III (MDS-UPDRS III)	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	UPDRS III (MDS-UPDRS III)	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Frazzitta, 2015	Moderate	UPDRS III ( )	6 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-3.2 (-5.76, -0.64)	**MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2015	Moderate	UPDRS III ( )	12 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-1 (-3.85, 1.85)	NS
Frazzitta, 2015	Moderate	UPDRS III ( )	18 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-0.9 (-4.43, 2.63)	NS
Frazzitta, 2015	Moderate	UPDRS III ( )	24 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-2.2 (-5.40, 1.00)	NS
Frazzitta, 2014	High	BDNF ( )	.	Multidisciplinary Intensive Rehabilitation Treatment (MIRT): Inpatient physical therapy (Treadmill & stabilometric platform training): 3hrs, 5x/wk, 4 weeks	Control (No therapy (standard pharmacological treatment))	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2014	High	UPDRS III ( )	.	Multidisciplinary Intensive Rehabilitation Treatment (MIRT): Inpatient physical therapy (Treadmill & stabilometric platform training): 3hrs, 5x/wk, 4 weeks	Control (No therapy (standard pharmacological treatment))	Author Reported	N/A	NS
Van der Marck, 2013	Moderate	UPDRS III ( )	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	UPDRS Total ( )	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Frazzitta, 2012	High	UPDRS III ( )	1 yrs	Intensive Rehabilitation Treatment (IRT): Muscle stretching, relaxation exercises, ROM exercises, and Inpatient physical therapy (Treadmill & stabilometric platform training): 3x/day, 5 days/wk, 4 weeks (2 cycles-repeated after 1 yr)	Control (Usual care-pharmacological treatment)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2012	High	UPDRS Total ( )	1 yrs	Intensive Rehabilitation Treatment (IRT): Muscle stretching, relaxation exercises, ROM exercises, and Inpatient physical therapy (Treadmill & stabilometric platform training): 3x/day, 5 days/wk, 4 weeks (2 cycles-repeated after 1 yr)	Control (Usual care-pharmacological treatment)	Author Reported	N/A	NS
Gondim, 2017	Moderate	UPDRS Total ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, Author reported sig, p-val not given	N/A	**Experimental group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	UPDRS III ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, p = 0.0008	N/A	**Experimental group favored over Control**

Table 206191: PICO 11a- Interdisciplinary care vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale (Fallers)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale (Fallers)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Barthel ADL)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Barthel ADL)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Barthel ADL)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Mobility (TUG)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Mobility (TUG)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Mobility (TUG)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Speech self report questionnaire ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Speech self report questionnaire ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Speech self report questionnaire ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Improved))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Improved))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Improved))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Stayed same))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Stayed same))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Stayed same))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Worsened))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Worsened))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Worsened))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Barthel ADL)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Barthel ADL)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Barthel ADL)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Mobility (TUG)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Mobility (TUG)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Mobility (TUG)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Speech self report questionnaire ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Speech self report questionnaire ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Speech self report questionnaire ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Falls (Falls (Improved))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Improved))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Improved))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Stayed same))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Stayed same))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Stayed same))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Worsened))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Worsened))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Worsened))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Abraham, 2018	High	UPDRS II ( )	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-1.5 (-6.47, 3.47)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2018	High	Balance (ABC)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0 (-15.80, 15.80)	NS
Abraham, 2018	High	Gait speed (Forward gait (m/sec))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0.02 (-0.12, 0.16)	NS
Abraham, 2018	High	Walk test (6MWT (m))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	77.27 (14.22, 140.32)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Abraham, 2018	High	Mobility (30S Chair Stand Test (reps))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	4.6 (-0.16, 9.36)	NS
Abraham, 2018	High	Balance (Mini BESTest)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	2.1 (-1.11, 5.31)	NS
Abraham, 2018	High	Mobility (TUG)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-1.86 (-3.70, -0.02)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Abraham, 2018	High	Mobility (TUG cognitive (sec))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-4.47 (-10.40, 1.46)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2018	High	Mobility (TUG manual (sec))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-1.83 (-4.30, 0.64)	NS
Abraham, 2018	High	Turning (360° Turn test (steps))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-0.7 (-4.30, 2.90)	NS
Abraham, 2018	High	Turning (360° Turn test (sec))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-1.31 (-3.18, 0.56)	NS
Abraham, 2018	High	Stability (Push and Release Test (PRT))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	1.3 (0.55, 2.05)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Wade. 2003	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wade. 2003	Moderate	Mobility (Stand-walk-sit (sec))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	Hand/UE dexterity (9-HPT (sec))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	UPDRS II (UPDRS II (Speech))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wade. 2003	Moderate	UPDRS II (UPDRS II (Salivation))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	UPDRS II (UPDRS II (Swallowing))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	UPDRS II (UPDRS II (Writing))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Song, 2018	High	Step (Stepping Performance-CRST task (Reaction time) (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	4 (-67.47, 75.47)	NS
Song, 2018	High	Step (Stepping Performance-CRST task (Movement time) (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-13 (-53.92, 27.92)	NS
Song, 2018	High	Step (Stepping performance-CRST task (Response time) (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-7 (-95.03, 81.03)	NS
Song, 2018	High	Gait assessment (FGA)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-0.2 (-2.55, 2.15)	NS
Song, 2018	High	Strength/Power (Average hip abductor peak power (W))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-13.4 (-39.02, 12.22)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Song, 2018	High	Strength/Power (Average hip abductor power at low load (35N) (W))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	0.4 (-8.12, 8.92)	NS
Song, 2018	High	Mobility (TUG)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	0.7 (-0.34, 1.74)	NS
Song, 2018	High	Mobility (TUGcog (sec))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	2.29 (-0.76, 5.34)	NS
Song, 2018	High	Gait assessment (GATaccuracy (cm))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-0.36 (-2.23, 1.51)	NS
Song, 2018	High	Gait velocity (GAT (gait adaptability test) velocity (cm/sec))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	5.5 (-8.69, 19.69)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Song, 2018	High	Reaction time (Hand reaction time (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-14 (-38.58, 10.58)	NS
Song, 2018	High	FOG (NFOGQ)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	1.4 (-2.70, 5.50)	NS
Song, 2018	High	Fall Fear/Risk (FES-I)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	1.7 (-3.16, 6.56)	NS
Song, 2018	High	Falls (Fall rate)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Author Reported - p= 0.88	N/A	NS
Clarke, 2016	Moderate	ADL (NEADL Total)	3 mos	Physical/Occuptational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.7 (-2.98, 1.58)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	ADL (NEADL (Mobility))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0 (-0.65, 0.65)	NS
Clarke, 2016	Moderate	ADL (NEADL (Kitchen activities))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.1 (-0.37, 0.57)	NS
Clarke, 2016	Moderate	ADL (NEADL (Domestic tasks))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.4 (-1.08, 0.28)	NS
Clarke, 2016	Moderate	ADL (NEADL (Leisure activities))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.1 (-0.72, 0.52)	NS
Clarke, 2016	Moderate	ADL (NEADL Total)	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1 (-3.41, 1.41)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	ADL (NEADL (Mobility))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.3 (-0.98, 0.38)	NS
Clarke, 2016	Moderate	ADL (NEADL (Kitchen activities))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.1 (-0.41, 0.61)	NS
Clarke, 2016	Moderate	ADL (NEADL (Domestic tasks))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.1 (-0.82, 0.62)	NS
Clarke, 2016	Moderate	ADL (NEADL (Leisure activities))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.3 (-0.98, 0.38)	NS
Clarke, 2016	Moderate	ADL (NEADL Total)	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	1.7 (-0.83, 4.23)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	ADL (NEADL (Mobility))	15 mos	Physical/Occuptational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.2 (-0.52, 0.92)	NS
Clarke, 2016	Moderate	ADL (NEADL (Kitchen activities))	15 mos	Physical/Occuptational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.5 (-0.03, 1.03)	NS
Clarke, 2016	Moderate	ADL (NEADL (Domestic tasks))	15 mos	Physical/Occuptational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.4 (-0.32, 1.12)	NS
Clarke, 2016	Moderate	ADL (NEADL (Leisure activities))	15 mos	Physical/Occuptational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.2 (-0.51, 0.91)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	Balance (BBS)	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	Balance (BBS)	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	ADL (FIM)	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	ADL (FIM)	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Frazzitta, 2015	Moderate	UPDRS II ( )	6 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-3.2 (-5.94, -0.46)	**MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy)**
Frazzitta, 2015	Moderate	UPDRS II ( )	12 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-0.1 (-2.54, 2.34)	NS
Frazzitta, 2015	Moderate	UPDRS II ( )	18 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-1.3 (-3.88, 1.28)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2015	Moderate	UPDRS II ( )	24 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-1 (-3.39, 1.39)	NS
Frazzitta, 2015	Moderate	Mobility (TUG)	6 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	0 (-0.95, 0.95)	NS
Frazzitta, 2015	Moderate	Mobility (TUG)	12 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	1.4 (-0.53, 3.33)	NS
Frazzitta, 2015	Moderate	Mobility (TUG)	18 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	1.2 (-0.39, 2.79)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2015	Moderate	Mobility (TUG)	24 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	1.2 (-0.39, 2.79)	NS
Frazzitta, 2015	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	6 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-0.9 (-5.93, 4.13)	NS
Frazzitta, 2015	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	12 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	13.5 (5.76, 21.24)	**Control (Pharmacological treatment)**
Frazzitta, 2015	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	18 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	1.2 (-4.25, 6.65)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2015	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	24 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	0.2 (-4.55, 4.95)	NS
Frazzitta, 2015	Moderate	Walk test (6MWT (m))	6 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	12 (-54.90, 78.90)	NS
Frazzitta, 2015	Moderate	Walk test (6MWT (m))	12 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-49 (-125.52, 27.52)	NS
Frazzitta, 2015	Moderate	Walk test (6MWT (m))	18 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-9 (-77.84, 59.84)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2015	Moderate	Walk test (6MWT (m))	24 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	6 (-63.73, 75.73)	NS
Frazzitta, 2012	High	UPDRS II ( )	1 yrs	Intensive Rehabilitation Treatment (IRT): Muscle stretching, relaxation exercises, ROM exercises, and Inpatient physical therapy (Treadmill & stabilometric platform training): 3x/day, 5 days/wk, 4 weeks (2 cycles-repeated after 1 yr)	Control (Usual care-pharmacological treatment)	Author Reported	N/A	NS
White, 2009	Moderate	Walk test (2MWT (m))	.	Clinic-based rehabilitation and social activity: 1.5hr clinic rehabilitation + 1.5hr social activity session, 2x/week, 6 weeks	Control (No active rehabilitation)	Mean Difference	-5 (-25.55, 15.55)	NS
White, 2009	Moderate	Walk test (10-second walking periods (no./hr))	.	Clinic-based rehabilitation and social activity: 1.5hr clinic rehabilitation + 1.5hr social activity session, 2x/week, 6 weeks	Control (No active rehabilitation)	Mean Difference	-0.4 (-1.87, 1.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
White, 2009	Moderate	Walk test (2MWT (m))	.	Clinic and Home-based rehabilitation: 1.5hr clinic rehabilitation + 1.5hr home-based, 2x/week, 6 weeks	Control (No active rehabilitation)	Mean Difference	-4.1 (-24.63, 16.43)	NS
White, 2009	Moderate	Walk test (10-second walking periods (no./hr))	.	Clinic and Home-based rehabilitation: 1.5hr clinic rehabilitation + 1.5hr home-based, 2x/week, 6 weeks	Control (No active rehabilitation)	Mean Difference	-0.5 (-1.87, 0.87)	NS
Ashburn, 2007	High	Falls (Fallers)	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Fallers)	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Repeat fallers)	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2007	High	Falls (Repeat fallers)	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Near fallers)	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Near fallers)	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Repeat near fallers)	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Repeat near fallers)	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2007	High	Falls (More than 10 near fallers)	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (More than 10 near fallers)	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Fallers (H&Y 2-3))	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Fallers (H&Y 2-3))	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Fallers (H&Y 4))	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2007	High	Falls (Fallers (H&Y 4))	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Repeat fallers (H&Y 2-3))	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Repeat fallers (H&Y 2-3))	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Repeat fallers (H&Y 4))	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS
Ashburn, 2007	High	Falls (Repeat fallers (H&Y 4))	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2007	High	Balance (BBS)	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS
Ashburn, 2007	High	Balance (BBS)	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS
Ashburn, 2007	High	Balance (Functional Reach Test)	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS
Ashburn, 2007	High	Balance (Functional Reach Test)	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS
Ashburn, 2007	High	Self-assessment Parkinson's Disease Disability Scale ( )	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2007	High	Self-assessment Parkinson's Disease Disability Scale ( )	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS
Ashburn, 2019	Moderate	Falls (Repeat falling restricted to _x001A_ 50% diaries)	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	RD	.(.,.)	NS
Ashburn, 2019	Moderate	Falls (Repeat falling restricted to _x001A_ 50% diaries)	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	Falls (Falls rate)	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS
Ashburn, 2019	Moderate	Falls (Falls rate)	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	Falls (Near-fall rates (near-falls/person/6 months))	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS
Ashburn, 2019	Moderate	Falls (Near-fall rates (near-falls/person/6 months))	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	Balance (Mini BESTest)	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS
Ashburn, 2019	Moderate	Balance (Mini BESTest)	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	Fall Fear/Risk (FES-I)	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS
Ashburn, 2019	Moderate	Fall Fear/Risk (FES-I)	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	Mobility (30S Chair Stand Test (reps))	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported - MWU test, p = 0.041	N/A	**PDSAFE favored over Control**
Ashburn, 2019	Moderate	Mobility (30S Chair Stand Test (reps))	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported - MWU test, p = 0.163	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	UPDRS II ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, p = 0.001	N/A	**Experimental group favored over Control**

Table 207192: PICO 11a- Interdisciplinary care vs. Control- Healthcare utilization

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2015	Moderate	LEDD ( )	6 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-100.1 (-123.28, -76.92)	**MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy)**
Frazzitta, 2015	Moderate	LEDD ( )	12 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-137.9 (-209.56, -66.24)	**MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy)**
Frazzitta, 2015	Moderate	LEDD ( )	18 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-162 (-264.34, -59.66)	**MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Frazzitta, 2015	Moderate	LEDD ( )	24 mos	MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy): 1hr, 3x/day, 5 days/week, 4 weeks (x2 at 1 yr interval)	Control (Pharmacological treatment): Two 4wk tx at 1 yr interval	Mean Difference	-189 (-296.60, -81.40)	**MIRT (Muscle stretching, Balance/Treadmill training, Occupational therapy)**
Van der Marck, 2013	Moderate	LEDD ( )	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Frazzitta, 2012	High	LEDD ( )	1 yrs	Intensive Rehabilitation Treatment (IRT): Muscle stretching, relaxation exercises, ROM exercises, and Inpatient physical therapy (Treadmill & stabilometric platform training): 3x/day, 5 days/wk, 4 weeks (2 cycles-repeated after 1 yr)	Control (Usual care-pharmacological treatment)	Author Reported	N/A	NS

Table 208193: PICO 11a- Interdisciplinary care vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Depression (HADS (Depression))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (HADS (Depression))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Depression (HADS (Depression))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (HADS (Depression))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Depression (HADS (Depression))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (HADS (Depression))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Abraham, 2018	High	Cognition (MIQ-RS (Visual))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	1.54 (0.28, 2.80)	**DNI training (Dynamic Neuro-Cognitive Imagery)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2018	High	Cognition (MIQ-RS (Kinesthetic))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	1.42 (-0.10, 2.94)	NS
Abraham, 2018	High	Cognition (MIQ-RS (Total))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	1.48 (0.41, 2.55)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Abraham, 2018	High	Cognition (KVIQ-20 (Visual))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	1.28 (0.45, 2.11)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Abraham, 2018	High	Cognition (KVIQ-20 (Kinesthetic))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0.73 (-0.04, 1.50)	NS
Abraham, 2018	High	Cognition (KVIQ-20 (Total))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	1.27 (0.58, 1.96)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Abraham, 2018	High	Cognition (VMIQ-2 (External visual))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-15.2 (-23.23, -7.17)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Abraham, 2018	High	Cognition (VMIQ-2 (Internal visual))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-16.3 (-25.98, -6.62)	**DNI training (Dynamic Neuro-Cognitive Imagery)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2018	High	Cognition (VMIQ-2 (Kinesthetic))	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-12.6 (-23.25, -1.95)	**DNI training (Dynamic Neuro-Cognitive Imagery)**
Abraham, 2018	High	UPDRS I ( )	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-3.1 (-8.70, 2.50)	NS
Abraham, 2018	High	Depression (BDI-II)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-3.2 (-9.08, 2.68)	NS
Abraham, 2018	High	Cognition (TMT A)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-5.79 (-11.97, 0.39)	NS
Abraham, 2018	High	Cognition (TMT B)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-19.23 (-71.93, 33.47)	NS
Abraham, 2018	High	Cognition (TMT B - TMT A)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-19.75 (-68.80, 29.30)	NS
Abraham, 2018	High	Cognition (Corsi-trials)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0.5 (-0.76, 1.76)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Abraham, 2018	High	Cognition (Corsi-span)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0.3 (-0.79, 1.39)	NS
Abraham, 2018	High	Cognition (Brooks Spatial Memory Task)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	9.4 (-6.51, 25.31)	NS
Abraham, 2018	High	Cognition (Body Position Spatial Task-trials)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0.1 (-1.50, 1.70)	NS
Abraham, 2018	High	Cognition (Body Position Spatial Task-span)	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	0.1 (-0.83, 1.03)	NS
Wade. 2003	Moderate	Anxiety (HADS (Anxiety))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wade. 2003	Moderate	Depression (HADS (Depression))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Song, 2018	High	Cognition (MOCAadj)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	0.6 (-0.76, 1.96)	NS
Song, 2018	High	Cognition (TMT A)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	2.6 (-5.24, 10.44)	NS
Song, 2018	High	Cognition (TMT B)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-0.3 (-39.36, 38.76)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van der Marck, 2013	Moderate	Psychosocial consequences (SCOPA-Psychosocial)	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	Depression (Montgomery and Asberg Depression Rating Scale (MADRS))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy II)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy III)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy late)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Difficult I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult II)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult III)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult late)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Memory I)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Memory II)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Executive Function: Perseverative errors)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Cognition (Executive Function: Categories completed)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Executive Function: Failure to maintain set)	.	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy II)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy III)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy late)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Difficult I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult II)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult III)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult late)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Memory I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Memory II)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Executive Function: Perseverative errors)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Cognition (Executive Function: Categories completed)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Executive Function: Failure to maintain set)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Control (Cognitive Activities): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Ashburn, 2019	Moderate	Depression (GDS)	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	Depression (GDS)	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Table 209194: PICO 11a- Interdisciplinary care vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	PDQ-8 ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	PDQ-8 ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	PDQ-8 ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	PDQ-8 ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	PDQ-8 ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	PDQ-8 ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	Author Reported	N/A	NS
Abraham, 2018	High	Impact on Participation and Autonomy Scale Questionnaire (IPA) ( )	.	DNI training (Dynamic Neuro-Cognitive Imagery): 5x/week, 2 weeks	Control (In-Home Learning/Exercise): 5x/week, 2 weeks	Mean Difference	-1.2 (-21.16, 18.76)	NS
Wade. 2003	Moderate	PDQ-39 ( )	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wade. 2003	Moderate	SF-36 (SF-36 PCS)	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	SF-36 (SF-36 MCS)	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	SF-36 (SF-36 MCS)	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Wade. 2003	Moderate	SF-36 (SF-36 (General health))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	EQ-5D ( )	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS
Wade. 2003	Moderate	EQ-5D (EQ-5D (VAS))	24 wks	Immediate Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): 1 day/wk, 6 weeks	Delayed Rehabilitation Program (Individualized treatments with multidisciplinary team & Group educational support): No active intervention for first 6 months; Received intervention after 6 month assessment	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ferrazzoli, 2018	High	PDQ-39 (Fallers)	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-7.5 (-14.72, -0.28)	**MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment)**
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (Mobility))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-1.9 (-5.19, 1.39)	NS
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (ADL))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-1.1 (-2.88, 0.68)	NS
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (Emotional well-being))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-1.5 (-2.99, -0.01)	**MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment)**
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (Stigma))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-0.6 (-1.36, 0.16)	NS
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (Social support))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-0.8 (-1.43, -0.17)	**MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (Cognition))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-0.9 (-1.61, -0.19)	**MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment)**
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (Communication))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	0.2 (-0.47, 0.87)	NS
Ferrazzoli, 2018	High	PDQ-39 (PDQ-39 (Bodily discomfort))	4 wks	MIRT (Motor-Cognitive and Intensive Rehabilitation Treatment): 1hr, 5x/week, 4 weeks	Control (No rehabilitation)	Mean Difference	-0.3 (-1.09, 0.49)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Mobility))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.1 (-4.20, 4.00)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (ADL))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.6 (-2.93, 4.13)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.4 (-2.57, 3.37)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Stigma))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	2.2 (-1.09, 5.49)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Social support))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	1 (-1.41, 3.41)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Cognition))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.8 (-3.93, 2.33)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Communication))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1 (-4.05, 2.05)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.1 (-5.69, 1.49)	NS
Clarke, 2016	Moderate	PDQ-39 ( )	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0 (-2.44, 2.44)	NS
Clarke, 2016	Moderate	EQ-5D (EQ-5D Quotient Score)	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.02 (-0.02, 0.06)	NS
Clarke, 2016	Moderate	EQ-5D (EQ-5D VAS)	3 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.6 (-2.08, 3.28)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Mobility))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.8 (-3.48, 5.08)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (ADL))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1.3 (-5.02, 2.42)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.3 (-5.51, 0.91)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Stigma))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.2 (-3.24, 3.64)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Social support))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1.4 (-4.04, 1.24)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Cognition))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.6 (-5.80, 0.60)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Communication))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.9 (-6.19, 0.39)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1.4 (-5.12, 2.32)	NS
Clarke, 2016	Moderate	PDQ-39 ( )	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1.4 (-3.96, 1.16)	NS
Clarke, 2016	Moderate	EQ-5D (EQ-5D Quotient Score)	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.03 (-0.01, 0.07)	NS
Clarke, 2016	Moderate	EQ-5D (EQ-5D VAS)	9 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	1.3 (-1.54, 4.14)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Mobility))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1.2 (-5.68, 3.28)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (ADL))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-3.4 (-7.28, 0.48)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.7 (-6.09, 0.69)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Stigma))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-0.9 (-4.61, 2.81)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Social support))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-1.6 (-4.29, 1.09)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Cognition))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.8 (-6.21, 0.61)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Communication))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.2 (-5.61, 1.21)	NS
Clarke, 2016	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-4.7 (-8.51, -0.89)	**Physical/Occupational therapy**
Clarke, 2016	Moderate	PDQ-39 ( )	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	-2.4 (-5.08, 0.28)	NS
Clarke, 2016	Moderate	EQ-5D (EQ-5D Quotient Score)	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	0.03 (-0.01, 0.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clarke, 2016	Moderate	EQ-5D (EQ-5D VAS)	15 mos	Physical/Occupational therapy: Median: 4 sessions, mean time per session: 58 min, mean therapy duration: 8 weeks	Control (No therapy): Therapy deferred until end of 15 months	Mean Difference	1.7 (-1.29, 4.69)	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Mobility))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Mobility))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	PDQ-39 (PDQ-39 (ADL))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (ADL))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Emotional well-being))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	PDQ-39 (PDQ-39 (Emotional well-being))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Stigma))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Stigma))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	PDQ-39 (PDQ-39 (Social support))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Social support))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Cognition))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	PDQ-39 (PDQ-39 (Cognition))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Communication))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Communication))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Monticone, 2015	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Monticone, 2015	High	PDQ-39 (PDQ-39 (Bodily discomfort))	12 mos	Multidisciplinary Rehabilitative Care (Motor training, cognitive training, ergonomic education): 90min physical training daily; 30min with psychologist 2x/wk, 30min with OT 1x/week; Total 8 weeks	Control (General physiotherapy): 90min daily, 8 weeks	Author Reported	N/A	NS
Van der Marck, 2013	Moderate	PDQ-39 ( )	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (Mobility))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (ADL))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (Stigma))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (Social support))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (Cognition))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (Communication))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Van der Marck, 2013	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	8 mos	Multidisciplinary Care (Care from movement disorders specialist, PD nurses, and social worker): 8 months	Control (Care from general neurologists): 8 months	Author Reported - ANCOVA	N/A	NS
Ashburn, 2007	High	EQ-5D ( )	8 wks	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS
Ashburn, 2007	High	EQ-5D ( )	6 mos	Home-based exercise and strategy program (Muscle strengthening, ROM, Balance, Walking): 6 weeks	Control (Usual care): 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	PDQ-39 ( )	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS
Ashburn, 2019	Moderate	PDQ-39 ( )	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	PDQ-39 ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, p = 0.027	N/A	**Experimental group favored over Control**
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, p = 0.027	N/A	**Experimental group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, Author reported NS, p-val not given	N/A	NS
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, p = 0.021	N/A	**Experimental group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, Author reported NS, p-val not given	N/A	NS
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, Author reported NS, p-val not given	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, Author reported NS, p-val not given	N/A	NS
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, Author reported NS, p-val not given	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MWU test, p =0.027	N/A	**Experimental group favored over Control**

Table 210195: PICO 11a- Interdisciplinary care vs. Control- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
White, 2009	Moderate	Walking (Time spent walking (%))	.	Clinic-based rehabilitation and social activity: 1.5hr clinic rehabilitation + 1.5hr social activity session, 2x/week, 6 weeks	Control (No active rehabilitation)	Mean Difference	-0.2 (-1.62, 1.22)	NS
White, 2009	Moderate	Walking (Time spent walking (%))	.	Clinic and Home-based rehabilitation: 1.5hr clinic rehabilitation + 1.5hr home-based, 2x/week, 6 weeks	Control (No active rehabilitation)	Mean Difference	-0.3 (-1.67, 1.07)	NS
Ashburn, 2019	Moderate	PASE ( )	6 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ashburn, 2019	Moderate	PASE ( )	12 mos	PDSAFE (Individualized, Home-based, Physiotherapist-delivered, Personalized physiotherapy fall prevention program): 1hr, 2x/wk, 1 month; then 1x/wk, 2 months; then 1x/month, 3 months (Total 6 mos)	Control (Usual care)	Author Reported	N/A	NS

Figure 38: Meta-analysis- Depression (6mos)

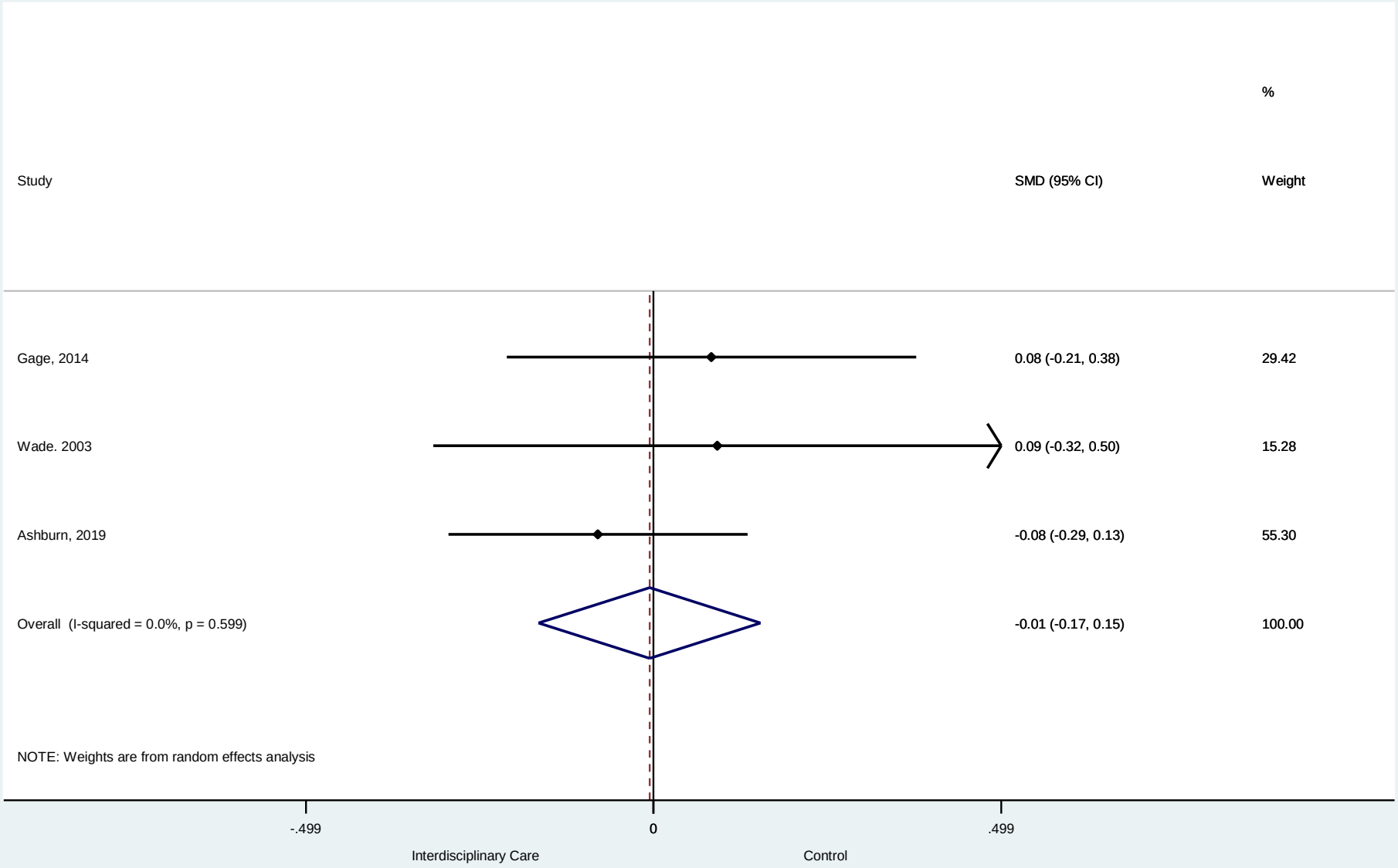

Figure 39: Meta-analysis- Self-Assessment PD Disability Scale (6mos)

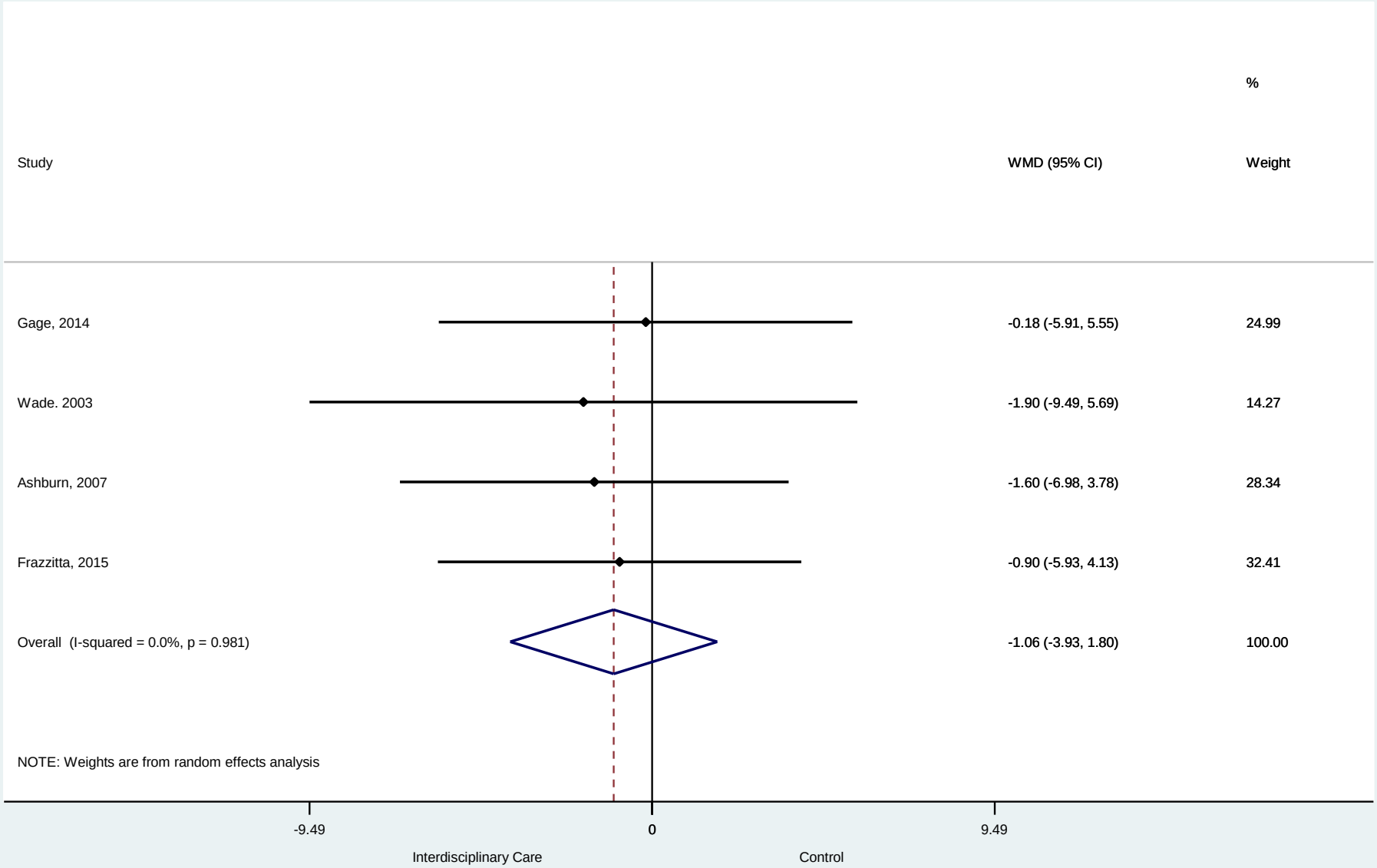

Table 211196: PICO 11b- Interdisciplinary care vs. Interdisciplinary care- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (on medication))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (on medication))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (on medication))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (off medication))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Pain (VAS (off medication))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Pain (VAS (off medication))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Adverse events (Accident and Emergency (A&E))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Adverse events (Accident and Emergency (A&E))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Adverse events (Accident and Emergency (A&E))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS
Gage, 2014	Moderate	Adverse events (Accident and Emergency (A&E))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Control (Usual care)	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Adverse events (Accident and Emergency (A&E))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Adverse events (Accident and Emergency (A&E))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Table 212197: PICO 11b- Interdisciplinary care vs. Interdisciplinary care- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Posture)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS III item (UPDRS Gait)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Marumoto, 2019	Moderate	UPDRS III ( )	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.3 (-4.34, 3.74)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Marumoto, 2019	Moderate	UPDRS III (UPDRS III (Rising from chair))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	0.12 (-0.38, 0.62)	NS
Marumoto, 2019	Moderate	UPDRS III (UPDRS III (Posture))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.04 (-0.34, 0.26)	NS
Marumoto, 2019	Moderate	UPDRS III (UPDRS III (Postural stability))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.11 (-0.45, 0.23)	NS
Marumoto, 2019	Moderate	UPDRS IV ( )	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.43 (-1.49, 0.63)	NS
Marumoto, 2019	Moderate	UPDRS IV (UPDRS IV (Dyskinesia))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.1 (-0.23, 0.03)	NS
Marumoto, 2019	Moderate	UPDRS IV (UPDRS IV (Morning dystonia))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.18 (-0.31, -0.05)	**Enhanced Multidisciplinary Care (12 specialists)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Marumoto, 2019	Moderate	UPDRS IV (UPDRS IV ("Off" period duration))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.09 (-0.40, 0.22)	NS
Marumoto, 2019	Moderate	UPDRS Total ( )	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-2.7 (-10.37, 4.97)	NS
Clerici, 2019	High	UPDRS Total ( )	.	MIRT-AT (Multidisciplinary rehabilitation treatment + Aquatic therapy): MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks (1st session of MIRT not performed on aquatic therapy days to match time and dose with other group)	MIRT: Ihr, 6x/week, 4 weeks	Mean Difference	-0.6 (-6.60, 5.40)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clerici, 2019	High	UPDRS III ( )	.	MIRT-AT (Multidisciplinary rehabilitation treatment + Aquatic therapy): MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks (1st session of MIRT not performed on aquatic therapy days to match time and dose with other group)	MIRT: Ihr, 6x/week, 4 weeks	Mean Difference	-0.3 (-3.35, 2.75)	NS
King, 2015	High	UPDRS III ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.3 (-8.98, 8.38)	NS
King, 2015	High	UPDRS III ( )	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	4.2 (-3.80, 12.20)	NS
King, 2015	High	UPDRS III ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-4.5 (-11.63, 2.63)	NS

Table 213198: PICO 11b- Interdisciplinary care vs. Interdisciplinary care- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Self-assessment Parkinson's Disease Disability Scale ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Barthel ADL)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Barthel ADL)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Barthel ADL)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	ADL (Frenchay Activities Index)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Self-efficacy (Self-efficacy scale)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Mobility (TUG)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Mobility (TUG)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Mobility (TUG)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Speech self report questionnaire ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Speech self report questionnaire ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Speech self report questionnaire ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	UPDRS II item (UPDRS Speech)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby voice)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Emerson and Enderby Screening Assessment Rating Scale (Emerson and Enderby articulation)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Falls (Falls (Improved))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Improved))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Improved))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Stayed same))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Stayed same))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Stayed same))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Worsened))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Falls (Falls (Worsened))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Falls (Falls (Worsened))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Marumoto, 2019	Moderate	UPDRS II ( )	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-1.85 (-4.18, 0.48)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Marumoto, 2019	Moderate	UPDRS II (UPDRS II (Cutting food, Handling utensils))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.19 (-0.38, 0.00)	NS
Marumoto, 2019	Moderate	UPDRS II (UPDRS II (Falling))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	0.09 (-0.47, 0.65)	NS
Marumoto, 2019	Moderate	UPDRS II (UPDRS II (Walking))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.26 (-0.55, 0.03)	NS
Clerici, 2019	High	FOG ( )	.	MIRT-AT (Multidisciplinary rehabilitation treatment + Aquatic therapy): MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks (1st session of MIRT not performed on aquatic therapy days to match time and dose with other group)	MIRT: Ihr, 6x/week, 4 weeks	Mean Difference	-0.4 (-2.19, 1.39)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clerici, 2019	High	UPDRS II ( )	.	MIRT-AT (Multidisciplinary rehabilitation treatment + Aquatic therapy): MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks (1st session of MIRT not performed on aquatic therapy days to match time and dose with other group)	MIRT: Ihr, 6x/week, 4 weeks	Mean Difference	-0.8 (-3.46, 1.86)	NS
Clerici, 2019	High	Balance (BBS)	.	MIRT-AT (Multidisciplinary rehabilitation treatment + Aquatic therapy): MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks (1st session of MIRT not performed on aquatic therapy days to match time and dose with other group)	MIRT: Ihr, 6x/week, 4 weeks	Mean Difference	2.2 (-0.34, 4.74)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Clerici, 2019	High	Mobility (TUG)	.	MIRT-AT (Multidisciplinary rehabilitation treatment + Aquatic therapy): MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks (1st session of MIRT not performed on aquatic therapy days to match time and dose with other group)	MIRT: Ihr, 6x/week, 4 weeks	Mean Difference	-0.9 (-2.90, 1.10)	NS
Clerici, 2019	High	Walk test (6MWT (m))	.	MIRT-AT (Multidisciplinary rehabilitation treatment + Aquatic therapy): MIRT: 1hr, 6x/week, 4 weeks; AT: 1hr, 3x/week, 4 weeks (1st session of MIRT not performed on aquatic therapy days to match time and dose with other group)	MIRT: Ihr, 6x/week, 4 weeks	Mean Difference	38 (-31.18, 107.18)	NS
King, 2015	High	Physical performance (Physical Performance Test)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.6 (-2.73, 1.53)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	UPDRS II ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-1.2 (-5.20, 2.80)	NS
King, 2015	High	Self-efficacy (SES (Exercise Self-Efficacy Scale))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	7.7 (-2.62, 18.02)	NS
King, 2015	High	Balance (Mini BESTest)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0 (-2.55, 2.55)	NS
King, 2015	High	Balance (ABC)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	1.6 (-9.10, 12.30)	NS
King, 2015	High	FOG ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-2 (-4.80, 0.80)	NS
King, 2015	High	Stride (Stride velocity)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	1.7 (-6.28, 9.68)	NS
King, 2015	High	ROM (Arm velocity (degree/s))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	18.3 (-31.92, 68.52)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	ROM (Trunk velocity (degree/s))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.3 (-6.43, 5.83)	NS
King, 2015	High	Stride (Stride time variability (%))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.01 (-0.02, 0.00)	NS
King, 2015	High	Turning (Turn duration (sec))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.3 (-0.97, 0.37)	NS
King, 2015	High	Mobility (TUG)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	2.1 (-1.33, 5.53)	NS
King, 2015	High	Mobility (TUG- Dual Task (sec))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	2.5 (-2.01, 7.01)	NS
King, 2015	High	Physical performance (Physical Performance Test)	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.7 (-3.12, 1.72)	NS
King, 2015	High	UPDRS II ( )	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0.9 (-3.12, 4.92)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	Self-efficacy (SES (Exercise Self-Efficacy Scale))	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	10.4 (0.53, 20.27)	**Individual Physical Therapy (outpatient) (Agility Boot Camp program)**
King, 2015	High	Balance (Mini BESTest)	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.7 (-3.60, 2.20)	NS
King, 2015	High	Balance (ABC)	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.7 (-9.65, 8.25)	NS
King, 2015	High	FOG ( )	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0.3 (-2.83, 3.43)	NS
King, 2015	High	Stride (Stride velocity)	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-3.6 (-11.69, 4.49)	NS
King, 2015	High	ROM (Arm velocity (degree/s))	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	11 (-38.42, 60.42)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	ROM (Trunk velocity (degree/s))	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	1.6 (-4.11, 7.31)	NS
King, 2015	High	Stride (Stride time variability (%))	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0 (-0.01, 0.01)	NS
King, 2015	High	Turning (Turn duration (sec))	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.1 (-0.81, 0.61)	NS
King, 2015	High	Mobility (TUG)	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.8 (-2.19, 0.59)	NS
King, 2015	High	Mobility (TUG- Dual Task (sec))	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.5 (-2.82, 1.82)	NS
King, 2015	High	Physical performance (Physical Performance Test)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0.1 (-2.03, 2.23)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	UPDRS II ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-2.1 (-5.16, 0.96)	NS
King, 2015	High	Self-efficacy (SES (Exercise Self-Efficacy Scale))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-2.7 (-10.90, 5.50)	NS
King, 2015	High	Balance (Mini BESTest)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0.7 (-2.13, 3.53)	NS
King, 2015	High	Balance (ABC)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	2.3 (-7.12, 11.72)	NS
King, 2015	High	FOG ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-2.3 (-4.98, 0.38)	NS
King, 2015	High	Stride (Stride velocity)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	5.3 (-2.20, 12.80)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	ROM (Arm velocity (degree/s))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	7.3 (-41.85, 56.45)	NS
King, 2015	High	ROM (Trunk velocity (degree/s))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-1.9 (-7.07, 3.27)	NS
King, 2015	High	Stride (Stride time variability (%))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.01 (-0.02, -0.00)	**Group class exercise (Agility Boot Camp program)**
King, 2015	High	Turning (Turn duration (sec))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-0.2 (-0.63, 0.23)	NS
King, 2015	High	Mobility (TUG)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	2.9 (-0.70, 6.50)	NS
King, 2015	High	Mobility (TUG- Dual Task (sec))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	3 (-1.53, 7.53)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
White, 2009	Moderate	Walk test (2MWT (m))	.	Clinic and Home-based rehabilitation: 1.5hr clinic rehabilitation + 1.5hr home-based, 2x/week, 6 weeks	Clinic-based rehabilitation and social activity: 1.5hr clinic rehabilitation + 1.5hr social activity session, 2x/week, 6 weeks	Mean Difference	0.9 (-13.58, 15.38)	NS
White, 2009	Moderate	Walk test (10-second walking periods (no./hr))	.	Clinic and Home-based rehabilitation: 1.5hr clinic rehabilitation + 1.5hr home-based, 2x/week, 6 weeks	Clinic-based rehabilitation and social activity: 1.5hr clinic rehabilitation + 1.5hr social activity session, 2x/week, 6 weeks	Mean Difference	-0.1 (-1.65, 1.45)	NS

Table 214199: PICO 11b- Interdisciplinary care vs. Interdisciplinary care- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Non-motor symptoms questionnaire ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Anxiety (HADS (Anxiety))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (HADS (Depression))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Depression (HADS (Depression))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (HADS (Depression))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Improved))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Stayed same))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Gage, 2014	Moderate	Depression (Yale Depression Screen (Worsened))	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	RD	.(.,.)	NS
Marumoto, 2019	Moderate	UPDRS I ( )	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.43 (-0.99, 0.13)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Marumoto, 2019	Moderate	UPDRS I (UPDRS I (Depression))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.47 (-0.99, 0.05)	NS
King, 2015	High	Apathy scale (LARS (Lille Apathy Rating Scale))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0.3 (-3.26, 3.86)	NS
King, 2015	High	Depression (GDS)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-1.4 (-4.91, 2.11)	NS
King, 2015	High	Apathy scale (LARS (Lille Apathy Rating Scale))	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0.2 (-2.53, 2.93)	NS
King, 2015	High	Depression (GDS)	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	1.3 (-1.99, 4.59)	NS
King, 2015	High	Apathy scale (LARS (Lille Apathy Rating Scale))	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	0.1 (-3.59, 3.79)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	Depression (GDS)	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-2.7 (-6.08, 0.68)	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Physical stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Psychological stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Stress (LSSI (Lipp's Stress Symptoms Inventory for Adults) Overall stress I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy II)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy III)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Easy late)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Difficult I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)- Difficult II)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult III)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Wechsler Memory Scale (WMS)-Difficult late)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Memory I)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Memory II)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Executive Function: Perseverative errors)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS
Gobbi, 2013	Moderate	Cognition (Executive Function: Categories completed)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gobbi, 2013	Moderate	Cognition (Executive Function: Failure to maintain set)	.	Multimodal exercise + Exercises for Posture and Gait: 1hr, 2x/wk, 4 months	Multimodal Exercise (Muscular resistance, motor coordination, balance): 1hr, 2x/wk, 4 months	Author Reported	N/A	NS

Table 215200: PICO 11b- Interdisciplinary care vs. Interdisciplinary care- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	PDQ-8 ( )	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	PDQ-8 ( )	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	PDQ-8 ( )	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Thermometer)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	EQ-5D (EQ-5D Index)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 PCS)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	6 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	24 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gage, 2014	Moderate	SF-36 (SF-36 MCS)	36 wks	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored) & Ongoing PCA Support: MDT: 6 weeks, 9-12 hrs individual therapy per patient; PCA support for Group 2: 1hr, 1x/week, 4 months	Specialist rehabilitation from Multidisiplinary team (MDT) (home-based, individually-tailored): 6 weeks, 9-12 hrs individual therapy per patient	Author Reported	N/A	NS
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-4.6 (-5.39, -3.81)	**Enhanced Multidisciplinary Care (12 specialists)**
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-2.61 (-3.05, -2.17)	**Enhanced Multidisciplinary Care (12 specialists)**
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-2.22 (-2.56, -1.88)	**Enhanced Multidisciplinary Care (12 specialists)**
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-1.41 (-1.59, -1.23)	**Enhanced Multidisciplinary Care (12 specialists)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-1.07 (-1.21, -0.93)	**Enhanced Multidisciplinary Care (12 specialists)**
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-0.93 (-1.21, -0.65)	**Enhanced Multidisciplinary Care (12 specialists)**
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-1.12 (-1.30, -0.94)	**Enhanced Multidisciplinary Care (12 specialists)**
Marumoto, 2019	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-1.56 (-1.80, -1.32)	**Enhanced Multidisciplinary Care (12 specialists)**
Marumoto, 2019	Moderate	PDQ-39 ( )	.	Enhanced Multidisciplinary Care (12 specialists): 17hrs/week, 8 weeks	Multidiscplinary Care (6 specialists): 17hrs/week, 8 weeks	Mean Difference	-18.4 (-20.12, -16.68)	**Enhanced Multidisciplinary Care (12 specialists)**
King, 2015	High	PDQ-39 ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-5.4 (-15.50, 4.70)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
King, 2015	High	PDQ-39 ( )	.	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Home exercise program (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	7.3 (-3.78, 18.38)	NS
King, 2015	High	PDQ-39 ( )	.	Group class exercise (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Individual Physical Therapy (outpatient) (Agility Boot Camp program): 1hr, 3x/week, 4 weeks	Mean Difference	-12.7 (-21.37, -4.03)	**Group class exercise (Agility Boot Camp program)**

Table 216201: PICO 11b- Interdisciplinary care vs. Interdisciplinary care- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
White, 2009	Moderate	Walking (Time spent walking (%))	.	Clinic and Home-based rehabilitation: 1.5hr clinic rehabilitation + 1.5hr home-based, 2x/week, 6 weeks	Clinic-based rehabilitation and social activity: 1.5hr clinic rehabilitation + 1.5hr social activity session, 2x/week, 6 weeks	Mean Difference	-0.1 (-1.56, 1.36)	NS

PICO 13

Table 217202: PICO 13- Motor learning vs. Motor Learning- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Gait speed (Single task: Non-cue-Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	1.02(.,.)	NS
Rochester, 2010	Moderate	Gait speed (Single task: Non-cue-Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	1.05(.,.)	NS
Rochester, 2010	Moderate	Step (Single task: Non-cue-Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.59(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Single task: Non-cue-Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.59(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Single task: Non-cue-Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	104.50(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Single task: Non-cue-Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	106.79(.,.)	NS
Rochester, 2010	Moderate	Gait speed (Single task: Visual cue-Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.99(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Gait speed (Single task: Visual cue-Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	1.01(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Single task: Visual-Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.59(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Single task: Visual-Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.58(.,.)	NS
Rochester, 2010	Moderate	Step (Single task: Visual-Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	101.15(.,.)	NS
Rochester, 2010	Moderate	Step (Single task: Visual-Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	104.15(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Gait speed (Single task: Auditory cue-Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	1.03(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Gait speed (Single task: Auditory cue-Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	1.05(.,.)	NS
Rochester, 2010	Moderate	Step (Single task: Auditory-Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.60(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Single task: Auditory-Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.60(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Single task: Auditory-Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	103.58(.,.)	NS
Rochester, 2010	Moderate	Step (Single task: Auditory-Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	105.06(.,.)	NS
Rochester, 2010	Moderate	Gait speed (Single task: Somatosensory cue- Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	1.01(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Gait speed (Single task: Somatosensory cue- Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	1.03(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Single task: Somatosensory - Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.59(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Single task: Somatosensory - Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.59(.,.)	NS
Rochester, 2010	Moderate	Step (Single task: Somatosensory - Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	102.65(.,.)	NS
Rochester, 2010	Moderate	Step (Single task: Somatosensory - Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	104.69(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Gait speed (Dual task: Non-cue-Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.93(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Gait speed (Dual task: Non-cue-Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.94(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Non-cue-Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.53(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Dual task: Non-cue-Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.53(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Dual task: Non-cue-Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	104.78(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Non-cue-Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	107.66(.,.)	NS
Rochester, 2010	Moderate	Gait speed (Dual task: Visual cue-Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.92(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Gait speed (Dual task: Visual cue-Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.93(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Dual task: Visual-Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.54(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Dual task: Visual-Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.54(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Visual-Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	101.80(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Visual-Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	104.63(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Gait speed (Dual task: Auditory cue-Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.94(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Gait speed (Dual task: Auditory cue-Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.97(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Auditory-Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.55(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Dual task: Auditory-Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.55(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Dual task: Auditory-Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	103.43(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Auditory-Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	105.75(.,.)	NS
Rochester, 2010	Moderate	Gait speed (Dual task: Somatosensory cue- Walking Speed)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.93(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Gait speed (Dual task: Somatosensory cue- Walking Speed)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.94(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Rochester, 2010	Moderate	Step (Dual task: Somatosensory - Step length)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.54(.,.)	**Cueing training favored over No training**
Rochester, 2010	Moderate	Step (Dual task: Somatosensory - Step length)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	0.54(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Somatosensory - Cadence)	.	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	102.69(.,.)	NS
Rochester, 2010	Moderate	Step (Dual task: Somatosensory - Cadence)	6 wks	Early Cueing Training: Rythmical Home-Cueing Program + No Training: Program: 30min, 3x/week, 3 weeks; 3 weeks no training	Late Cueing Training: No Training + Rhythmical Home-Cueing Program: 3 weeks no training; Program: 30min, 3x/week, 3 weeks	Author Reported	105.00(.,.)	NS

PICO 14

Table 218203: PICO 14- Expert care vs. Control- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	Compliance (Number of participants receiving 5-6 weeks of therapy)	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	RR	1.14(1.02,1.28)	**Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education)**

Table 219204: PICO 14- Expert care vs. Control- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	Falls (All falls (Fallers))	12 mos	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	RR	0.85(0.66,1.09)	NS
Morris, 2017	High	Falls (Injurious falls (Fallers))	12 mos	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	RR	1.88(0.87,4.06)	NS

Table 220205: PICO 14- Expert care vs. Control- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	UPDRS III ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-2 (-6.83, 2.83)	NS
Morris, 2017	High	UPDRS III ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-5 (-10.30, 0.30)	NS
Morris, 2017	High	UPDRS IV ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-0.04 (-1.68, 1.60)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	UPDRS IV ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.18 (-1.37, 1.73)	NS

Table 221206: PICO 14- Expert care vs. Control- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atterbury, 2017	Moderate	Mobility (ITUG (sec))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	-3.75 (-9.43, 1.93)	NS
Atterbury, 2017	Moderate	Stride (Stride length (% of stature))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	1.89 (-5.01, 8.79)	NS
Atterbury, 2017	Moderate	Stride (Stride velocity)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	5.27 (-3.28, 13.82)	NS
Atterbury, 2017	Moderate	Step (Cadence)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	6.21 (0.40, 12.02)	**Therapist-supervised group (Balance training program)**
Atterbury, 2017	Moderate	Double support (Double support time)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Mean Difference	-1.49 (-4.90, 1.92)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atterbury, 2017	Moderate	Gait assessment (FGA)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p-val unknown	N/A	NS
Atterbury, 2017	Moderate	Balance (ABC)	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p = 0.20	N/A	NS
Morris, 2017	High	UPDRS II ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-2 (-4.69, 0.69)	NS
Morris, 2017	High	UPDRS II ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-2 (-5.21, 1.21)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sturkenboom, 2014	Moderate	Canadian Occupational Performance Measure (Canadian Occupational Performance Measure: Performance)	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	1.20(0.80,1.60)	**Occupational therapy favored over Control**
Sturkenboom, 2014	Moderate	Canadian Occupational Performance Measure (Canadian Occupational Performance Measure: Performance)	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.90(0.50,1.30)	**Occupational therapy favored over Control**
Sturkenboom, 2014	Moderate	Canadian Occupational Performance Measure (Canadian Occupational Performance Measure: Satisfaction)	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	1.10(0.70,1.50)	**Occupational therapy favored over Control**
Sturkenboom, 2014	Moderate	Canadian Occupational Performance Measure (Canadian Occupational Performance Measure: Satisfaction)	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.90(0.50,1.30)	**Occupational therapy favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sturkenboom, 2014	Moderate	ADL (Daily activity performance: Perceive, Recall, Plan, Perform System Phase 1 (%))	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.80(-7.50,9.00)	NS
Sturkenboom, 2013	Moderate	Amount of sway (Canadian Occupational Performance Measure (COPM))	3 mos	Home-based Occupational therapy: 45-60min/session, max 16 sessions, 10 weeks within 3 months	Control (No occupational therapy): Wait-list	Mean Difference	0.16 (-0.65, 0.97)	NS
Sturkenboom, 2013	Moderate	Assessment of Motor and Process Skills (AMPS) ( )	3 mos	Home-based Occupational therapy: 45-60min/session, max 16 sessions, 10 weeks within 3 months	Control (No occupational therapy): Wait-list	Mean Difference	-0.09 (-0.41, 0.23)	NS

Table 222207: PICO 14- Expert care vs. Control- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.1-1.6))	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.27 (-0.63, 1.17)	NS
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.1-1.6))	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.44 (-0.68, 1.56)	NS
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.7-1.13))	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-0.16 (-1.52, 1.20)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	UPDRS I (UPDRS I (Questions 1.7-1.13))	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.33 (-1.92, 2.58)	NS
Sturkenboom, 2014	Moderate	Fatigue (FSS (Fatigue Severity Scale))	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.10(-0.20,0.40)	NS
Sturkenboom, 2014	Moderate	Fatigue (FSS (Fatigue Severity Scale))	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.00(-0.30,0.30)	NS
Sturkenboom, 2014	Moderate	Depression (BDI)	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	-1.40(-3.00,0.30)	NS
Sturkenboom, 2014	Moderate	Depression (BDI)	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	-0.80(-2.50,0.80)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sturkenboom, 2014	Moderate	Coping competence (Utrecht Proactive Coping Competence Scale)	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.09(-0.02,0.21)	NS
Sturkenboom, 2014	Moderate	Coping competence (Utrecht Proactive Coping Competence Scale)	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.06(-0.05,0.17)	NS

Table 223208: PICO 14- Expert care vs. Control- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Interest/Enjoyment))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p = 0.002	N/A	**Therapist supervised group favored over Home-based group**
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Perceived competence))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Effort/Importance))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Pressure/Tension))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS
Atterbury, 2017	Moderate	IMI (Intrinsic Motivation Inventory) (IMI (Value/Usefulness))	.	Therapist-supervised group (Balance training program): 40-60min, 3x/week, 8 weeks	Home-based group (Balance training program): 40-60min, 3x/week, 8 weeks	Author Reported - ANOVA, p > 0.05	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	PDQ-39 ( )	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	1 (-4.01, 6.01)	NS
Morris, 2017	High	PDQ-39 ( )	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0 (-5.10, 5.10)	NS
Morris, 2017	High	EQ-5D (EQ-5D VAS)	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	-8 (-12.85, -3.15)	**Placebo (Life Skills Program)**
Morris, 2017	High	EQ-5D (EQ-5D VAS)	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	1 (-4.86, 6.86)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Morris, 2017	High	EQ-5D (EQ-5D Index)	6 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.01 (-0.09, 0.11)	NS
Morris, 2017	High	EQ-5D (EQ-5D Index)	58 wks	Experimental Program (Progressive resistance strength training, Movement strategy training, Falls education): 120min/week, 6 weeks	Placebo (Life Skills Program): 120min/week, 6 weeks	Mean Difference	0.03 (-0.07, 0.13)	NS
Sturkenboom, 2014	Moderate	Activity Card Sort ( )	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	2.90(-0.20,5.90)	NS
Sturkenboom, 2014	Moderate	Satisfaction (Utrecht Scale for Evaluation of Rehabilitation: Participation Satisfaction Scale)	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	3.20(-0.60,6.80)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sturkenboom, 2014	Moderate	Satisfaction (Utrecht Scale for Evaluation of Rehabilitation: Participation Satisfaction Scale)	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	2.10(-1.60,5.80)	NS
Sturkenboom, 2014	Moderate	PDQ-39 ( )	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	-1.70(-3.90,0.50)	NS
Sturkenboom, 2014	Moderate	PDQ-39 ( )	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	-2.10(-4.30,0.10)	NS
Sturkenboom, 2014	Moderate	EQ-5D ( )	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.03(-0.03,0.08)	NS
Sturkenboom, 2014	Moderate	EQ-5D ( )	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.02(-0.03,0.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Sturkenboom, 2014	Moderate	VAS ( )	3 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.30(-0.10,0.60)	NS
Sturkenboom, 2014	Moderate	VAS ( )	6 mos	Home-based Occupational Therapy: About 1hr/session, variable # sessions (max 16 hrs), 10 weeks	Control (Usual care)	Author Reported	0.00(-0.40,0.30)	NS

PICO 15

Table 224209: PICO 15a- Tele-health/rehab vs. Control/None- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Jaywant, 2016	High	Feasibility (Ability to understand study instructions)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.1 (-0.41, 0.61)	NS
Jaywant, 2016	High	Feasibility (Ability to use computer equipment)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	-0.1 (-0.75, 0.55)	NS
Jaywant, 2016	High	Feasibility (Ability to use/wear accelerometer while going about daily life)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	-0.1 (-0.78, 0.58)	NS
Jaywant, 2016	High	Sessions completed (Participants who completed all computer training sessions)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	RD	1.10(0.57,1.04)	NS
Jaywant, 2016	High	Feasibility (Participants who wore the accelerometer on all training days)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	RD	0.94(0.69,1.28)	NS
Jaywant, 2016	High	Feasibility (Hours wearing accelerometer per day)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	-1.3 (-2.69, 0.09)	NS
Unterreiner, 2019	Moderate	Sessions completed ( )	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS

Table 225210: PICO 15a- Tele-health/rehab vs. Control/None- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bernini, 2019	High	UPDRS III ( )	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.75 (-6.51, 8.01)	NS
Feng, 2019	Moderate	UPDRS III ( )	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	0.14 (-5.42, 5.70)	NS
Yang, 2016	High	UPDRS III ( )	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	6.6 (-3.20, 16.40)	NS
Yang, 2016	High	UPDRS III ( )	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	5.6 (-4.47, 15.67)	NS
Gondim, 2017	Moderate	UPDRS Total ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, Author reported sig, p-val not given	N/A	**Experimental group favored over Control**
Gondim, 2017	Moderate	UPDRS III ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, p = 0.0008	N/A	**Experimental group favored over Control**
Unterreiner, 2019	Moderate	UPDRS III ( )	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Carpinella, 2017	High	UPDRS III ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	UPDRS III ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS

Table 226211: PICO 15a- Tele-health/rehab vs. Control/None- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Feng, 2019	Moderate	Balance (BBS)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	4.71 (1.22, 8.20)	**Virtual reality training (Balance & gait)**
Feng, 2019	Moderate	Mobility (TUG)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	-4.21 (-8.15, -0.27)	**Virtual reality training (Balance & gait)**
Feng, 2019	Moderate	Gait assessment (FGA)	.	Virtual reality training (Balance & gait): 45min, 5x/week, 12 weeks	Control (Conventional physical therapy): 45min, 5x/week, 12 weeks	Mean Difference	2.78 (0.15, 5.41)	**Virtual reality training (Balance & gait)**
De Melo, 2018	High	Walk test (6MWT distance)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	86.94 (20.49, 153.39)	**Virtual reality group (Gait training using XboxTM)**
De Melo, 2018	High	Walk test (6MWT Symmetry)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.86 (-3.76, 5.48)	NS
De Melo, 2018	High	Gait speed (Speed (m/s))	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.41 (0.08, 0.74)	**Virtual reality group (Gait training using XboxTM)**
De Melo, 2018	High	Walk test (6MWT distance)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	34.77 (-32.97, 102.51)	NS
De Melo, 2018	High	Walk test (6MWT Symmetry)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	2.47 (-3.31, 8.25)	NS
De Melo, 2018	High	Gait speed (Speed (m/s))	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	0.17 (-0.16, 0.50)	NS
Maidan, 2018	Moderate	Gait speed (Gait speed (Usual walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Stride (Stride length (Usual walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Gait speed (Gait speed (Dual task walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Stride (Stride length (Dual task walking))	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Maidan, 2018	Moderate	Falls (Fall rate)	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Song, 2018	High	Step (Stepping Performance- CRST task (Reaction time) (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	4 (-67.47, 75.47)	NS
Song, 2018	High	Step (Stepping Performance- CRST task (Movement time) (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-13 (-53.92, 27.92)	NS
Song, 2018	High	Step (Stepping performance- CRST task (Response time) (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-7 (-95.03, 81.03)	NS
Song, 2018	High	Gait assessment (FGA)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-0.2 (-2.55, 2.15)	NS
Song, 2018	High	Strength/Power (Average hip abductor peak power (W))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-13.4 (-39.02, 12.22)	NS
Song, 2018	High	Strength/Power (Average hip abductor power at low load (35N) (W))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	0.4 (-8.12, 8.92)	NS
Song, 2018	High	Mobility (TUG)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	0.7 (-0.34, 1.74)	NS
Song, 2018	High	Mobility (TUGcog (sec))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	2.29 (-0.76, 5.34)	NS
Song, 2018	High	Gait assessment (GATaccuracy (cm))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-0.36 (-2.23, 1.51)	NS
Song, 2018	High	Gait velocity (GAT (gait adaptability test) velocity (cm/sec))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	5.5 (-8.69, 19.69)	NS
Song, 2018	High	Reaction time (Hand reaction time (ms))	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-14 (-38.58, 10.58)	NS
Song, 2018	High	FOG (NFOGQ)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	1.4 (-2.70, 5.50)	NS
Song, 2018	High	Fall Fear/Risk (FES-I)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	1.7 (-3.16, 6.56)	NS
Song, 2018	High	Falls (Fall rate)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Author Reported - p= 0.88	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gandolfi, 2017	Moderate	Balance (BBS)	.	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	2.55 (0.35, 4.75)	**In-home virtual reality training (Nintendo Wii Fit- TeleWii)**
Gandolfi, 2017	Moderate	Balance (BBS)	1 mos	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	2.18 (-0.48, 4.84)	NS
Gandolfi, 2017	Moderate	Balance (ABC)	.	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	7.1 (-1.40, 15.60)	NS
Gandolfi, 2017	Moderate	Balance (ABC)	1 mos	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	4.61 (-2.88, 12.10)	NS
Gandolfi, 2017	Moderate	Walk test (10MWT (m/s))	.	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.02 (-0.18, 0.22)	NS
Gandolfi, 2017	Moderate	Walk test (10MWT (m/s))	1 mos	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.05 (-0.14, 0.24)	NS
Gandolfi, 2017	Moderate	Gait assessment (DGI)	.	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.06 (-1.05, 1.17)	NS
Gandolfi, 2017	Moderate	Gait assessment (DGI)	1 mos	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	0.27 (-0.98, 1.52)	NS
Gandolfi, 2017	Moderate	Falls (Falls (number))	.	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	-0.23 (-0.98, 0.52)	NS
Gandolfi, 2017	Moderate	Falls (Falls (number))	1 mos	In-home virtual reality training (Nintendo Wii Fit-TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	-0.52 (-1.67, 0.63)	NS
Allen, 2017	High	Hand/UE dexterity (9-HPT (sec))	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	-1.4 (-6.34, 3.54)	NS
Allen, 2017	High	Hand/UE dexterity (Horizontal tapping test speed score (taps/60 sec))	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	15.5 (-2.86, 33.86)	NS
Allen, 2017	High	Hand/UE dexterity (Horizontal tapping test with cognitive task speed score (taps/60 sec))	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	-2.8 (-29.66, 24.06)	NS
Allen, 2017	High	Hand/UE dexterity (Horizontal tapping test error score)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	0.029 (-0.00, 0.06)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Allen, 2017	High	Hand/UE dexterity (Horizontal tapping test with cognitive task error score)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	0.055 (0.01, 0.10)	**Control (Usual care)**
Allen, 2017	High	Hand/UE dexterity (Vertical tapping test speed score (taps/60 sec))	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	13.8 (-8.54, 36.14)	NS
Allen, 2017	High	Hand/UE dexterity (Vertical tapping test with cognitive task speed score (taps/60 sec))	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	2.5 (-29.37, 34.37)	NS
Allen, 2017	High	Hand/UE dexterity (Vertical tapping test error score)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	0.03 (-0.01, 0.07)	NS
Allen, 2017	High	Hand/UE dexterity (Vertical tapping test with cognitive task error score)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	0.038 (-0.01, 0.09)	NS
Allen, 2017	High	Hand/UE dexterity (Coin Rotation Task)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	0.4 (-2.12, 2.92)	NS
Allen, 2017	High	Hand/UE dexterity (Box and block test (number of blocks moved))	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	2.6 (-3.38, 8.58)	NS
Allen, 2017	High	Reaction time (Hand reaction time (sec))	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	0 (-0.04, 0.04)	NS
Allen, 2017	High	Manual Ability Measure ( )	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	1.7 (-8.61, 12.01)	NS
Jaywant, 2016	High	Gait speed (Straight Line Walking trials- Walking speed (m/sec))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.01 (-0.09, 0.11)	NS
Jaywant, 2016	High	Gait speed (Straight Line Walking trials- Walking speed variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.02 (-0.01, 0.05)	NS
Jaywant, 2016	High	Stride (Straight Line Walking trials- Stride length (m))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.01 (-0.13, 0.15)	NS
Jaywant, 2016	High	Stride (Straight Line Walking trials- Stride length variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.02 (-0.00, 0.04)	NS
Jaywant, 2016	High	Stride (Straight Line Walking trials- Stride frequency (stride/sec))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.05, 0.05)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Jaywant, 2016	High	Stride (Straight Line Walking trials- Stride frequency variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.01, 0.01)	NS
Jaywant, 2016	High	Swing (Straight Line Walking trials- Swing time (% of stride))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.8 (-0.57, 2.17)	NS
Jaywant, 2016	High	Swing (Straight Line Walking trials- Swing time % variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.4 (0.15, 0.65)	**Home-based Landscape observation**
Jaywant, 2016	High	Gait assessment (Straight Line Walking trials- Gait asymmetry)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.01 (-0.00, 0.02)	NS
Jaywant, 2016	High	Gait speed (Walking with Turns trials- Walking speed (m/sec))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.09, 0.09)	NS
Jaywant, 2016	High	Gait speed (Walking with Turns trials- Walking speed variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.03, 0.03)	NS
Jaywant, 2016	High	Stride (Walking with Turns trials- Stride length (m))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.01 (-0.12, 0.14)	NS
Jaywant, 2016	High	Stride (Walking with Turns trials- Stride length variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.03, 0.03)	NS
Jaywant, 2016	High	Stride (Walking with Turns trials- Stride frequency (stride/sec))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.01 (-0.04, 0.06)	NS
Jaywant, 2016	High	Stride (Walking with Turns trials- Stride frequency variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.01 (-0.00, 0.02)	NS
Jaywant, 2016	High	Stride (Walking with Turns trials- Swing time (% of stride))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.6 (-0.62, 1.82)	NS
Jaywant, 2016	High	Swing (Walking with Turns trials- Swing time % variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.29, 0.29)	NS
Jaywant, 2016	High	Gait assessment (Walking with Turns trials- Gait asymmetry)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.01, 0.01)	NS
Jaywant, 2016	High	Gait speed (Dual task trial- Walking speed (m/sec))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.13, 0.13)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Jaywant, 2016	High	Stride (Dual task stride length)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.15, 0.15)	NS
Jaywant, 2016	High	Stride (Dual task trial- Stride frequency (stride/sec))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.06, 0.06)	NS
Jaywant, 2016	High	Swing (Dual task trial- Swing time (% of stride))	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.7 (-0.80, 2.20)	NS
Jaywant, 2016	High	Swing (Dual task trial- Swing time % variability)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0.3 (-0.33, 0.93)	NS
Jaywant, 2016	High	Gait assessment (Dual task trial- Gait asymmetry)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	0 (-0.02, 0.02)	NS
Jaywant, 2016	High	Gait speed (Self-reported change in walking speed)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	1.9 (-0.11, 3.91)	NS
Jaywant, 2016	High	Stride (Self-reported change in stride length)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	1.7 (-0.22, 3.62)	NS
Jaywant, 2016	High	Swing (Self-reported change in arm swing and arm/leg coordination)	7 days	Home-based Gait observation: 112 videos, 8 days	Home-based Landscape observation: 112 videos, 8 days	Mean Difference	1 (-1.17, 3.17)	NS
Yang, 2016	High	Balance (BBS)	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.8 (-5.42, 3.82)	NS
Yang, 2016	High	Balance (BBS)	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.2 (-5.19, 4.79)	NS
Yang, 2016	High	Gait assessment (DGI)	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	0.4 (-2.57, 3.37)	NS
Yang, 2016	High	Gait assessment (DGI)	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.1 (-3.86, 3.66)	NS
Yang, 2016	High	Mobility (TUG)	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	1.6 (-6.04, 9.24)	NS
Yang, 2016	High	Mobility (TUG)	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	1.9 (-7.16, 10.96)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Gait velocity (Velocity)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Mean Difference	8.5 (-4.90, 21.90)	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Mean Difference	12.9 (-2.35, 28.15)	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Mean Difference	14.7 (1.28, 28.12)	**Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training**
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Mean Difference	18.2 (4.41, 31.99)	**Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training**
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Mean Difference	-1.5 (-4.34, 1.34)	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Mean Difference	8.3 (5.32, 11.28)	**Control**
Liao, 2015	Moderate	Stability (Forward maximal excursion)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Stability (Sideward directional control)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Gait velocity (Velocity)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stride (Stride length (obstacle crossing))	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (Toe-obstacle clearance (cm))	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward maximal excursion)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward maximal excursion)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS

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Liao, 2015	Moderate	Stability (Sideward maximal excursion)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Forward movement velocity)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Balance (Sideward movement velocity)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Forward directional control)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Stability (Sideward directional control)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Sensory Organization Test (SOT) ( )	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Mobility (TUG)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	Moderate	Fall Fear/Risk (FES-I)	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Pompeu, 2012	High	UPDRS II ( )	.	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	0.5 (-1.73, 2.73)	NS
Pompeu, 2012	High	UPDRS II ( )	60 days	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	0.2 (-2.16, 2.56)	NS
Pompeu, 2012	High	Balance (BBS)	.	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	1.3 (-0.68, 3.28)	NS
Pompeu, 2012	High	Balance (BBS)	60 days	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	1 (-0.81, 2.81)	NS
Pompeu, 2012	High	Stance duration (Unipedal Stance Test (Eyes open))	.	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	7.7 (-7.55, 22.95)	NS
Pompeu, 2012	High	Stance duration (Unipedal Stance Test (Eyes open))	60 days	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	7.8 (-7.14, 22.74)	NS
Pompeu, 2012	High	Stance duration (Dual Task Unipedal Stance Test (Eyes open))	.	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	5.7 (-8.20, 19.60)	NS
Pompeu, 2012	High	Stance duration (Dual Task Unipedal Stance Test (Eyes open))	60 days	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	4.2 (-9.53, 17.93)	NS
Pompeu, 2012	High	Stance duration (Unipedal Stance Test (Eyes closed))	.	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	1.1 (-2.20, 4.40)	NS
Pompeu, 2012	High	Stance duration (Unipedal Stance Test (Eyes closed))	60 days	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	0.8 (-2.46, 4.06)	NS
Ma, 20111	High	Mobility (Movement time (sec))	.	Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand): 60 trials of reaching for fast-moving virtual balls with dominant hand	Control (Placebo training): 60 trials of turning pegs with non-dominant hand	Mean Difference	-0.12 (-0.23, -0.01)	**Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand)**
Ma, 20111	High	Gait velocity (Peak velocity)	.	Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand): 60 trials of reaching for fast-moving virtual balls with dominant hand	Control (Placebo training): 60 trials of turning pegs with non-dominant hand	Mean Difference	17.51 (-8.88, 43.90)	NS
Ma, 20111	High	Mobility (Percentage of movement time for acceleration phase (%))	.	Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand): 60 trials of reaching for fast-moving virtual balls with dominant hand	Control (Placebo training): 60 trials of turning pegs with non-dominant hand	Mean Difference	-0.02 (-0.08, 0.04)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ma, 20111	High	Mobility (Success rate (1.1 sec): Moving ball task)	.	Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand): 60 trials of reaching for fast-moving virtual balls with dominant hand	Control (Placebo training): 60 trials of turning pegs with non-dominant hand	Mean Difference	0 (-0.03, 0.03)	NS
Ma, 20111	High	Mobility (Success rate (0.9 sec): Moving ball task)	.	Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand): 60 trials of reaching for fast-moving virtual balls with dominant hand	Control (Placebo training): 60 trials of turning pegs with non-dominant hand	Mean Difference	-0.01 (-0.03, 0.01)	NS
Ma, 20111	High	Mobility (Success rate (0.7 sec): Moving ball task)	.	Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand): 60 trials of reaching for fast-moving virtual balls with dominant hand	Control (Placebo training): 60 trials of turning pegs with non-dominant hand	Mean Difference	-0.07 (-0.16, 0.02)	NS
Ma, 20111	High	Mobility (Success rate (0.5 sec): Moving ball task)	.	Virtual Reality Training (Reaching for fast-moving virtual balls with dominant hand): 60 trials of reaching for fast-moving virtual balls with dominant hand	Control (Placebo training): 60 trials of turning pegs with non-dominant hand	Mean Difference	-0.13 (-0.35, 0.09)	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	15.69 (3.80, 27.58)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	12.87 (-3.27, 29.01)	NS
Liao, 2015	High	Stride (Stride length (level walking))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	14.21 (-0.15, 28.57)	NS
Liao, 2015	High	Stride (Stride length (level walking))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	15.41 (-2.07, 32.89)	NS
Liao, 2015	High	Gait assessment (FGA)	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	4.75 (1.90, 7.60)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Gait assessment (FGA)	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	4.59 (1.63, 7.55)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Strength/Power (Hip flexors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	15.3 (-8.08, 38.68)	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	16.5 (-7.84, 40.84)	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	23.9 (2.83, 44.97)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Strength/Power (Hip extensors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	12.5 (-5.69, 30.69)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	15.2 (-6.84, 37.24)	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	14.6 (-9.97, 39.17)	NS
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	29.8 (12.72, 46.88)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	28.1 (0.82, 55.38)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	34.6 (9.34, 59.86)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	37.5 (10.69, 64.31)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	23.9 (-2.11, 49.91)	NS
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	25.5 (-3.08, 54.08)	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	5.54 (-8.38, 19.46)	NS
Liao, 2015	High	Gait velocity (Level walking velocity (cm/sec))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	5.94 (-12.41, 24.29)	NS
Liao, 2015	High	Stride (Stride length (level walking))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	0.85 (-11.85, 13.55)	NS
Liao, 2015	High	Stride (Stride length (level walking))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	2.21 (-13.74, 18.16)	NS
Liao, 2015	High	Gait assessment (FGA)	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	1.42 (-1.12, 3.96)	NS
Liao, 2015	High	Gait assessment (FGA)	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	1.5 (-1.07, 4.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	High	Strength/Power (Hip flexors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-4.3 (-25.30, 16.70)	NS
Liao, 2015	High	Strength/Power (Hip flexors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-10.4 (-36.18, 15.38)	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	2.7 (-22.11, 27.51)	NS
Liao, 2015	High	Strength/Power (Hip extensors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-4 (-25.17, 17.17)	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-8.9 (-35.18, 17.38)	NS
Liao, 2015	High	Strength/Power (Knee flexor strength (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-10.7 (-38.87, 17.47)	NS
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-3.6 (-31.74, 24.54)	NS
Liao, 2015	High	Strength/Power (Knee extensor strength (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-0.2 (-34.31, 33.91)	NS
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	4.8 (-22.27, 31.87)	NS
Liao, 2015	High	Strength/Power (Ankle dorsiflexors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	13.6 (-14.27, 41.47)	NS
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	1 (-24.65, 26.65)	NS
Liao, 2015	High	Strength/Power (Ankle plantarflexors (N))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	5.9 (-26.03, 37.83)	NS
Gondim, 2017	Moderate	UPDRS II ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, p = 0.001	N/A	**Experimental group favored over Control**
Del Din, 2020	Moderate	Mobility (Bouts per day)	6 mos	Treadmill Training + Virtual Reality (TT + VR): 40min, 3x/wk, 6 weeks	Control (Treadmill Training only (TT)): 40min, 3x/wk, 6 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Del Din, 2020	Moderate	Mobility (Mean bout length (walking) (sec))	6 mos	Treadmill Training + Virtual Reality (TT + VR): 40min, 3x/wk, 6 weeks	Control (Treadmill Training only (TT)): 40min, 3x/wk, 6 weeks	Author Reported	N/A	NS
Del Din, 2020	Moderate	Fall Fear/Risk (FRA Index)	6 mos	Treadmill Training + Virtual Reality (TT + VR): 40min, 3x/wk, 6 weeks	Control (Treadmill Training only (TT)): 40min, 3x/wk, 6 weeks	Author Reported	N/A	NS
Del Din, 2020	Moderate	Falls ( )	6 mos	Treadmill Training + Virtual Reality (TT + VR): 40min, 3x/wk, 6 weeks	Control (Treadmill Training only (TT)): 40min, 3x/wk, 6 weeks	Author Reported	N/A	NS
Bekkers, 2020	Moderate	Balance (Mini BESTest)	.	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	Balance (Mini BESTest)	6 mos	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	FOG (NFOGQ)	.	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	FOG (NFOGQ)	6 mos	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	Physical performance (SPPB)	.	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	Physical performance (SPPB)	6 mos	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	Step (FSST (Four square step test))	.	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	Step (FSST (Four square step test))	6 mos	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	Fall Fear/Risk (FES-I)	.	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bekkers, 2020	Moderate	Fall Fear/Risk (FES-I)	6 mos	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Pazzaglia, 2020	Moderate	Balance (BBS)	.	Virtual Reality rehabilitation program: 40 min sessions, 3x/wk	Control (Conventional rehabilitation program): 40 min sessions, 3x/wk	Author Reported - P=0.003, Mann-Whitney U test	N/A	NS
Pazzaglia, 2020	Moderate	Gait assessment (DGI)	.	Virtual Reality rehabilitation program: 40 min sessions, 3x/wk	Control (Conventional rehabilitation program): 40 min sessions, 3x/wk	Author Reported - P=0.003, Mann-Whitney U test	N/A	NS
Pazzaglia, 2020	Moderate	DASH ( )	.	Virtual Reality rehabilitation program: 40 min sessions, 3x/wk	Control (Conventional rehabilitation program): 40 min sessions, 3x/wk	Author Reported - P=0.009, Mann-Whitney U test	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Strength/Power (Grip strength (More affected))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.087	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Strength/Power (Grip strength (Less affected))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.21	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Hand/UE dexterity (Box and Block Test (More affected))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.381	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Hand/UE dexterity (Box and Block Test (Less affected))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.518	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Hand/UE dexterity (Purdue Pegboard Test (More affected))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.036	N/A	**LMC group favored over Control**
Fernandez-Gonzalez, 2019	Moderate	Hand/UE dexterity (Purdue and Pegboard Test (Less affected))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.447	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Hand/UE dexterity (Purdue Pegboard Test (Both hands))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.879	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Hand/UE dexterity (Purdue Pegboard Test (Assembly))	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported - MW U test, p = 0.006	N/A	**LMC group favored over Control**
Santos, 2019	High	Balance (BBS)	.	Nintendo Wii (Wii Sport and Wii Fit) with Conventional exercise group (NWCEG): 50min, 2x/wk, 8 weeks	Control (Conventional exercise): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS
Santos, 2019	High	Gait assessment (DGI)	.	Nintendo Wii (Wii Sport and Wii Fit) with Conventional exercise group (NWCEG): 50min, 2x/wk, 8 weeks	Control (Conventional exercise): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2019	High	Mobility (TUG)	.	Nintendo Wii (Wii Sport and Wii Fit) with Conventional exercise group (NWCEG): 50min, 2x/wk, 8 weeks	Control (Conventional exercise): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS
Santos, 2019	High	Balance (BBS)	.	Nintendo Wii Group (NWG) (Wii Sport and Wii Fit): 50min, 2x/wk, 8 weeks	Control (Conventional exercise): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS
Santos, 2019	High	Gait assessment (DGI)	.	Nintendo Wii Group (NWG) (Wii Sport and Wii Fit): 50min, 2x/wk, 8 weeks	Control (Conventional exercise): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS
Santos, 2019	High	Mobility (TUG)	.	Nintendo Wii Group (NWG) (Wii Sport and Wii Fit): 50min, 2x/wk, 8 weeks	Control (Conventional exercise): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS
Ribas, 2017	High	Balance (BBS)	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	Balance (BBS)	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	Walk test (6MWT (m))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	Walk test (6MWT (m))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Carpinella, 2017	High	Balance (BBS)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Balance (BBS)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Walk test (10MWT (m/s))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Walk test (10MWT (m/s))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Mobility (TUG)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Mobility (TUG)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Balance (ABC)	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Balance (ABC)	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	FOG ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	FOG ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Amount of sway (CoP ML sway (mm))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Carpinella, 2017	High	Amount of sway (CoP ML sway (mm))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Amount of sway (CoP AP sway (mm))	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	Amount of sway (CoP AP sway (mm))	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS

Table 227212: PICO 15a- Tele-health/rehab vs. Control/None- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bernini, 2019	High	Depression (BDI)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0 (-0.96, 0.96)	NS
Bernini, 2019	High	Depression (BDI)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-0.1 (-1.13, 0.93)	NS
Bernini, 2019	High	Cognition (MMSE)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.13 (-1.23, 1.49)	NS
Bernini, 2019	High	Cognition (MMSE)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	1.1 (-0.25, 2.45)	NS
Bernini, 2019	High	Cognition (MOCA)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	4.41 (2.39, 6.43)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (MOCA)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	4.97 (2.62, 7.32)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Digit Span Total)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.4 (0.03, 0.77)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Digit Span Total)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.48 (0.04, 0.92)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (CBTT (Corsi's block-tapping test))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.39 (-3.05, 3.83)	NS
Bernini, 2019	High	Cognition (CBTT (Corsi's block-tapping test))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.42 (0.03, 0.81)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Verbal Span)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.3 (-0.17, 0.77)	NS
Bernini, 2019	High	Cognition (Verbal Span)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.32 (-0.04, 0.68)	NS
Bernini, 2019	High	Cognition (Rey's 15 Word Test (immediate recall))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	9.83 (4.65, 15.01)	**Cognitive training (CoRe program- computer based logical-executive tasks)**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bernini, 2019	High	Cognition (Rey's 15 Word Test (immediate recall))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	9.29 (4.36, 14.22)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Rey's 15 Word Test (delayed recall))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	2.44 (0.99, 3.89)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Rey's 15 Word Test (delayed recall))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	2.84 (1.59, 4.09)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Logical Memory Test (immediate recall))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.98 (-1.40, 3.36)	NS
Bernini, 2019	High	Cognition (Logical Memory Test (Immediate recall))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.35 (-0.83, 1.53)	NS
Bernini, 2019	High	Cognition (Logical Memory Test (delayed recall))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-1.29 (-2.25, -0.33)	**Control (Motor rehabilitation only)**
Bernini, 2019	High	Cognition (Logical Memory Test (delayed recall))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.46 (-0.60, 1.52)	NS
Bernini, 2019	High	Cognition (Raven's Matrices 1947)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	5.12 (2.35, 7.89)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Raven's Matrices 1947)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	4.58 (0.91, 8.25)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Weigl's Sorting Test)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.17 (1.48, 4.86)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Weigl's Sorting Test)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	2.7 (1.28, 4.12)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (FAB (Frontal Assessment Battery))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	2.13 (0.81, 3.45)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (FAB (Frontal Assessment Battery))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	2.96 (2.00, 3.92)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (TMT A)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-16 (-55.06, 23.06)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bernini, 2019	High	Cognition (TMT A)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-23.7 (-67.60, 20.20)	NS
Bernini, 2019	High	Cognition (TMT B)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-1.83 (-64.67, 61.01)	NS
Bernini, 2019	High	Cognition (TMT B)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	44.35 (-28.05, 116.75)	NS
Bernini, 2019	High	Cognition (Attentive Matrices)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.39 (-1.24, 8.02)	NS
Bernini, 2019	High	Cognition (Attentive Matrices)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.41 (-2.47, 9.29)	NS
Bernini, 2019	High	Cognition (Stroop (Time interference))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-5 (-13.18, 3.18)	NS
Bernini, 2019	High	Cognition (Stroop (Time interference))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-4.77 (-14.85, 5.31)	NS
Bernini, 2019	High	Cognition (Stroop (Error interference))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-0.51 (-3.34, 2.32)	NS
Bernini, 2019	High	Cognition (Stroop (Error interference))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	-2.83 (-8.26, 2.60)	NS
Bernini, 2019	High	Cognition (Phonemic Fluency (F, A, S))	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	8.28 (1.92, 14.64)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Phonemic Fluency (F, A, S))	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	4.74 (-0.58, 10.06)	NS
Bernini, 2019	High	Cognition (Semantic Fluency)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.92 (0.21, 7.63)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Semantic Fluency)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.81 (0.09, 7.53)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Rey's complex figure-copy)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.21 (-2.04, 8.46)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bernini, 2019	High	Cognition (Rey's complex figure-copy)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	2.4 (-2.75, 7.55)	NS
Bernini, 2019	High	Cognition (Rey's complex figure with delayed recall)	.	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.72 (0.49, 6.95)	**Cognitive training (CoRe program- computer based logical-executive tasks)**
Bernini, 2019	High	Cognition (Rey's complex figure with delayed recall)	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	3.79 (-0.47, 8.05)	NS
Maggio, 2018	Moderate	Cognition (MMSE)	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p = 0.014	2.15(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Depression (GDS)	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p = 0.812	-0.23(.,.)	NS
Maggio, 2018	Moderate	Anxiety (HAM-A)	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p = 0.251	-1.01(.,.)	NS
Maggio, 2018	Moderate	Cognition (FAB (Frontal Assessment Battery))	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p < 0.001	2.70(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Cognition (Weigl's Sorting Test)	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p = 0.015	3.30(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Cognition (ACE-R)	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p < 0.0001	12.69(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Cognition (ACE-R (Attention and Orientation))	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p < 0.001	1.91(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Cognition (ACE-R (Memory))	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA; p = 0.034	2.70(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Cognition (ACE-R (Fluency))	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p < 0.001	2.30(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Cognition (ACE-R (Language))	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p = 0.016	1.75(.,.)	**VR training favored over Control**
Maggio, 2018	Moderate	Cognition (ACE-R (Visuo-Spatial recognition))	.	Virtual reality Cognitive training with BTS Nirvana System: 1hr, 3x/week, 8 weeks	Control (Traditional cognitive training): 1hr, 3x/week, 8 weeks	Author Reported - ANCOVA, p < 0.0001	3.88(.,.)	**VR training favored over Control**
Maidan, 2018	Moderate	Cognition (Executive function)	.	Treadmill training with Virtual Reality: 45min, 3x/week, 6 weeks	Treadmill training alone: 45min, 3x/week, 6 weeks	Author Reported	N/A	NS
Song, 2018	High	Cognition (MOCAadj)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	0.6 (-0.76, 1.96)	NS
Song, 2018	High	Cognition (TMT A)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	2.6 (-5.24, 10.44)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Song, 2018	High	Cognition (TMT B)	12 wks	Home-based step training (videogame technology) (taught program by experienced physiotherapist): 3x/week, 12 weeks	Control (Usual care)	Mean Difference	-0.3 (-39.36, 38.76)	NS
Allen, 2017	High	Cognition (TMT A)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	-6.3 (-14.70, 2.10)	NS
Allen, 2017	High	Cognition (TMT B)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	1.6 (-45.01, 48.21)	NS
Allen, 2017	High	Cognition (MoCA)	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	-0.4 (-2.05, 1.25)	NS
Pompeu, 2012	High	Cognition (MoCA)	.	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	-0.9 (-4.05, 2.25)	NS
Pompeu, 2012	High	Cognition (MoCA)	60 days	Nintendo Wii- based motor cognitive training: 1hr, 2x/week, 7 weeks	Control (Balance exercise therapy): 1hr, 2x/week, 7 weeks	Mean Difference	-1.5 (-4.26, 1.26)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	0.4 (-1.78, 2.58)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	0.7 (-1.42, 2.82)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	8.5 (2.75, 14.25)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	8.8 (0.11, 17.49)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	19.3 (6.48, 32.12)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Control (Fall prevention education)	Mean Difference	19 (6.37, 31.63)	**Virtual Reality-Based Wii Fit exercise and treadmill training**
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	0.3 (-1.05, 1.65)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Somatosensory))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	-0.8 (-2.60, 1.00)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	2.6 (-0.70, 5.90)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vision))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	2.7 (-0.40, 5.80)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	.	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	3.1 (-7.93, 14.13)	NS
Liao, 2015	High	Sensory Organization Test (SOT) (Sensory organization ability (Vestibular))	1 mos	Virtual Reality-Based Wii Fit exercise and treadmill training: 1hr, 2x/week, 6 weeks	Traditional exercise and treadmill training: 1hr, 2x/week, 6 weeks	Mean Difference	6.3 (-5.18, 17.78)	NS
Bekkers, 2020	Moderate	Cognition (TMT B)	.	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	Cognition (TMT B)	6 mos	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
De Luca, 2019	High	Cognition (ACE-R)	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P<0.001, ANCOVA	0.85(.,.)	**Computer assisted cognitive rehab favored over Control**
De Luca, 2019	High	Cognition (ACE-R (Attention and Orientation))	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P<0.001, ANCOVA	-4.59(.,.)	**Computer assisted cognitive rehab favored over Control**
De Luca, 2019	High	Cognition (ACE-R (Memory))	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P<0.001, ANCOVA	-6.59(.,.)	**Computer assisted cognitive rehab favored over Control**
De Luca, 2019	High	Cognition (ACE-R (Fluency))	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P=0.574, ANCOVA	-0.19(.,.)	NS
De Luca, 2019	High	Cognition (ACE-R (Language))	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P=0.002, ANCOVA	-7.35(.,.)	**Computer assisted cognitive rehab favored over Control**
De Luca, 2019	High	Cognition (ACE-R (Visuo-Spatial recognition))	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P=0.009, ANCOVA	-4.98(.,.)	**Computer assisted cognitive rehab favored over Control**
De Luca, 2019	High	Cognition (Weigl's Sorting Test)	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P=0.045, ANCOVA	1.57(.,.)	**Computer assisted cognitive rehab favored over Control**
De Luca, 2019	High	Cognition (FAB (Frontal Assessment Battery))	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P=0.432, ANCOVA	-0.23(.,.)	NS
De Luca, 2019	High	Anxiety (HAM-A)	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P=0.057, ANCOVA	-2.60(.,.)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Luca, 2019	High	Depression (GDS)	.	Computer-assisted cognitive rehabilitation (CACR) by ERICA platform: 60 min sessions, 3x/wk x 8 wks	Control (Standard cognitive training (SCT)): 60 min sessions, 3x/wk x 8 wks	Author Reported - P=0.13, ANCOVA	-0.98(.,.)	NS
Giehl, 2020	Moderate	Cognition (Object identification (%))	.	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS
Giehl, 2020	Moderate	Cognition (Object identification (%))	14 wks	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS
Giehl, 2020	Moderate	Cognition (Localization (°))	.	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS
Giehl, 2020	Moderate	Cognition (Localization (°))	14 wks	Home-based adaptive computerized working memory training (WMT): 30min, 5x/wk, 5 weeks	Wait-list Control	Author Reported - ANOVA	N/A	NS
Ribas, 2017	High	Fatigue (FSS (Fatigue Severity Scale))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	Fatigue (FSS (Fatigue Severity Scale))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS

Table 228213: PICO 15a- Tele-health/rehab vs. Control/None- Other

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	HR (bpm) ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-0.21 (-10.86, 10.44)	NS
De Melo, 2018	High	Blood pressure (BP max)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	2.21 (-12.51, 16.93)	NS
De Melo, 2018	High	Blood pressure (BP min)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	1.58 (-7.54, 10.70)	NS
De Melo, 2018	High	SpO2 ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	0.25 (-1.43, 1.93)	NS
De Melo, 2018	High	HR (bpm) ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	2.58 (-7.61, 12.77)	NS
De Melo, 2018	High	Blood pressure (BP max)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	3.54 (-10.95, 18.03)	NS
De Melo, 2018	High	Blood pressure (BP min)	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	3.01 (-9.11, 15.13)	NS
De Melo, 2018	High	SpO2 ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	-0.71 (-2.14, 0.72)	NS

Table 229214: PICO 15a- Tele-health/rehab vs. Control/None- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Bernini, 2019	High	PDQ-8 ( )	6 mos	Cognitive training (CoRe program- computer based logical-executive tasks): 45min, 3x/week, 4 weeks	Control (Motor rehabilitation only): 4 weeks	Mean Difference	0.5 (-13.75, 14.75)	NS
Gandolfi, 2017	Moderate	PDQ-8 ( )	.	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	-0.05 (-7.24, 7.14)	NS
Gandolfi, 2017	Moderate	PDQ-9 ( )	1 mos	In-home virtual reality training (Nintendo Wii Fit- TeleWii): 50min, 3x/week, 7 weeks	In-clinic sensory integration balance training: 50min, 3x/week, 7 weeks	Mean Difference	1.91 (-4.67, 8.49)	NS
Allen, 2017	High	PDQ-39 ( )	.	Home-based Upper Extremity Exergaming: 3x/week, 12 weeks	Control (Usual care): 12 weeks	Mean Difference	-0.6 (-8.77, 7.57)	NS
Yang, 2016	High	PDQ-39 ( )	.	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-2.6 (-16.77, 11.57)	NS
Yang, 2016	High	PDQ-39 ( )	2 wks	Virtual reality balance training (Home-based): 50min, 2x/week, 6 weeks	Conventional balance training (Home-based): 50min, 2x/week, 6 weeks	Mean Difference	-0.6 (-13.81, 12.61)	NS
Liao, 2015	Moderate	PDQ-39 ( )	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control: Fall prevention education	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	.	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Liao, 2015	Moderate	PDQ-39 ( )	30 days	Virtual reality Wii Fit exercise (yoga, strengthening, balance) and Treadmill training: 1hr, 2x/wk, 6 weeks	Control (Traditional Exercise (stretching, strengthening, balance) and Treadmill training): 1hr, 2x/wk, 6 weeks	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Burden))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Burden))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Eating desire))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Eating desire))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Communication skills))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Communication skills))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Social function))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Social function))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Mental health))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Mental health))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Symptoms Frequency))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Symptoms Frequency))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Food selection))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Food selection))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Fear))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Fear))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Sleep))	4 wks	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Manor, 2013	Moderate	SWAL-QOL (SWAL-QOL (Sleep))	6 mos	Video-Assisted Swallowing Therapy (VAST): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Control (Conventional therapy): 30min/session, 5 sessions, 2 weeks; 6th session 4 weeks after	Author Reported	N/A	NS
Gondim, 2017	Moderate	PDQ-39 ( )	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, p = 0.027	N/A	**Experimental group favored over Control**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, p = 0.027	N/A	**Experimental group favored over Control**
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, Author reported NS, p-val not given	N/A	NS
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, p = 0.021	N/A	**Experimental group favored over Control**
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, Author reported NS, p-val not given	N/A	NS
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, Author reported NS, p-val not given	N/A	NS
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, Author reported NS, p-val not given	N/A	NS
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, Author reported NS, p-val not given	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Gondim, 2017	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Self-Supervised home-based physiotherapy training (stretches, mobility exercises, exercises for balance and strength, orientations of everyday situations) (Individualized guidance provided by physical therapist and telephone monitoring): 1hr, 3x/wk, 12 weeks; weekly telephone monitoring	Control (Usual care; physiotherapy program without individual guidance or telephone monitoring): Physiotherapy lectures 40min, 2x/month, 3 months; instructed to complete physiotherapy program 1hr, 3x/wk, 12 weeks	Author Reported - MW U test, p =0.027	N/A	**Experimental group favored over Control**
Pazzaglia, 2020	Moderate	SF-36 (SF-36 PCS)	.	Virtual Reality rehabilitation program: 40 min sessions, 3x/wk	Control (Conventional rehabilitation program): 40 min sessions, 3x/wk	Author Reported - Mann-Whitney U test	N/A	NS
Pazzaglia, 2020	Moderate	SF-36 (SF-36 MCS)	.	Virtual Reality rehabilitation program: 40 min sessions, 3x/wk	Control (Conventional rehabilitation program): 40 min sessions, 3x/wk	Author Reported - P=0.037, Mann-Whitney U test	N/A	NS
Fernandez-Gonzalez, 2019	Moderate	Satisfaction (CSQ-8)	.	Leap Motion Controller (LMC) System with serious games for upper limb: 30min, 2x/week, 6 weeks	Control (Conventional physical therapy for upper limb): 30min, 2x/week, 6 weeks	Author Reported	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 ( )	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (ADL))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (Social support))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (Communication))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Unterreiner, 2019	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	BeBIG group (Computer-aided LSVT BIG-therapy): 4x/wk, 4 weeks	ThBIG group (Therapist-supervised LSVT BIG-therapy): 4x/wk, 4 weeks	Author Reported - T test and TOST	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Mobility))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Mobility))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (ADL))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (ADL))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Stigma))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Stigma))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Social support))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Cognition))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Cognition))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Communication))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Communication))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Ribas, 2017	High	PDQ-39 (PDQ-39 (Bodily discomfort))	60 days	Exergaming (Nintendo with Wii Balance Board): 30min, 2x/week, 12 weeks	Control (Conventional exercise): 30min, 2x/week, 12 weeks	Author Reported	N/A	NS
Carpinella, 2017	High	PDQ-39 ( )	.	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Carpinella, 2017	High	PDQ-39 ( )	1 mos	Gamepad (tailored balance and gait exercises): 45min, 3x/week, 20 sessions	Control (Physiotherapy without biofeedback): 45min, 3x/week, 20 sessions	Author Reported - T test	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (Mobility))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (ADL))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (Emotional well-being))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (Stigma))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (Social support))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (Cognition))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (Communication))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 (PDQ-39 (Bodily discomfort))	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS
Pedreira, 2013	Moderate	PDQ-39 ( )	.	Virtual Rehabilitation Exercises (Nintendo Wii): 40min, 3x/wk, 4 weeks	Traditional Physical Therapy: 40min, 3x/wk, 4 weeks	Author Reported	N/A	NS

Table 230215: PICO 15a- Tele-health/rehab vs. Control/None- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
De Melo, 2018	High	BORG ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Control (Conventional training): 20min, 3x/week, 4 weeks	Mean Difference	-0.17 (-1.24, 0.90)	NS
De Melo, 2018	High	BORG ( )	1 mos	Virtual reality group (Gait training using XboxTM): 20min, 3x/week, 4 weeks	Treadmill gait training: 20min, 3x/week, 4 weeks	Mean Difference	0.65 (-0.42, 1.72)	NS
Del Din, 2020	Moderate	Walking (Total walking time per day (min))	6 mos	Treadmill Training + Virtual Reality (TT + VR): 40min, 3x/wk, 6 weeks	Control (Treadmill Training only (TT)): 40min, 3x/wk, 6 weeks	Author Reported	N/A	NS
Del Din, 2020	Moderate	Walking (Percentage of walking time per day)	6 mos	Treadmill Training + Virtual Reality (TT + VR): 40min, 3x/wk, 6 weeks	Control (Treadmill Training only (TT)): 40min, 3x/wk, 6 weeks	Author Reported	N/A	NS
Del Din, 2020	Moderate	Daily steps ( )	6 mos	Treadmill Training + Virtual Reality (TT + VR): 40min, 3x/wk, 6 weeks	Control (Treadmill Training only (TT)): 40min, 3x/wk, 6 weeks	Author Reported	N/A	NS
Bekkers, 2020	Moderate	PASE ( )	.	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS
Bekkers, 2020	Moderate	PASE ( )	6 mos	Treadmill Training + Virtual Reality: Exercised 45 mins, 3x/wk x 6 wks	Control (Treadmill Training only): Exercised 45 mins, 3x/wk x 6 wks	Author Reported - Generalized linear mixed-effects models	N/A	NS

Figure 40: Meta-analysis- PDQ-39 (post)

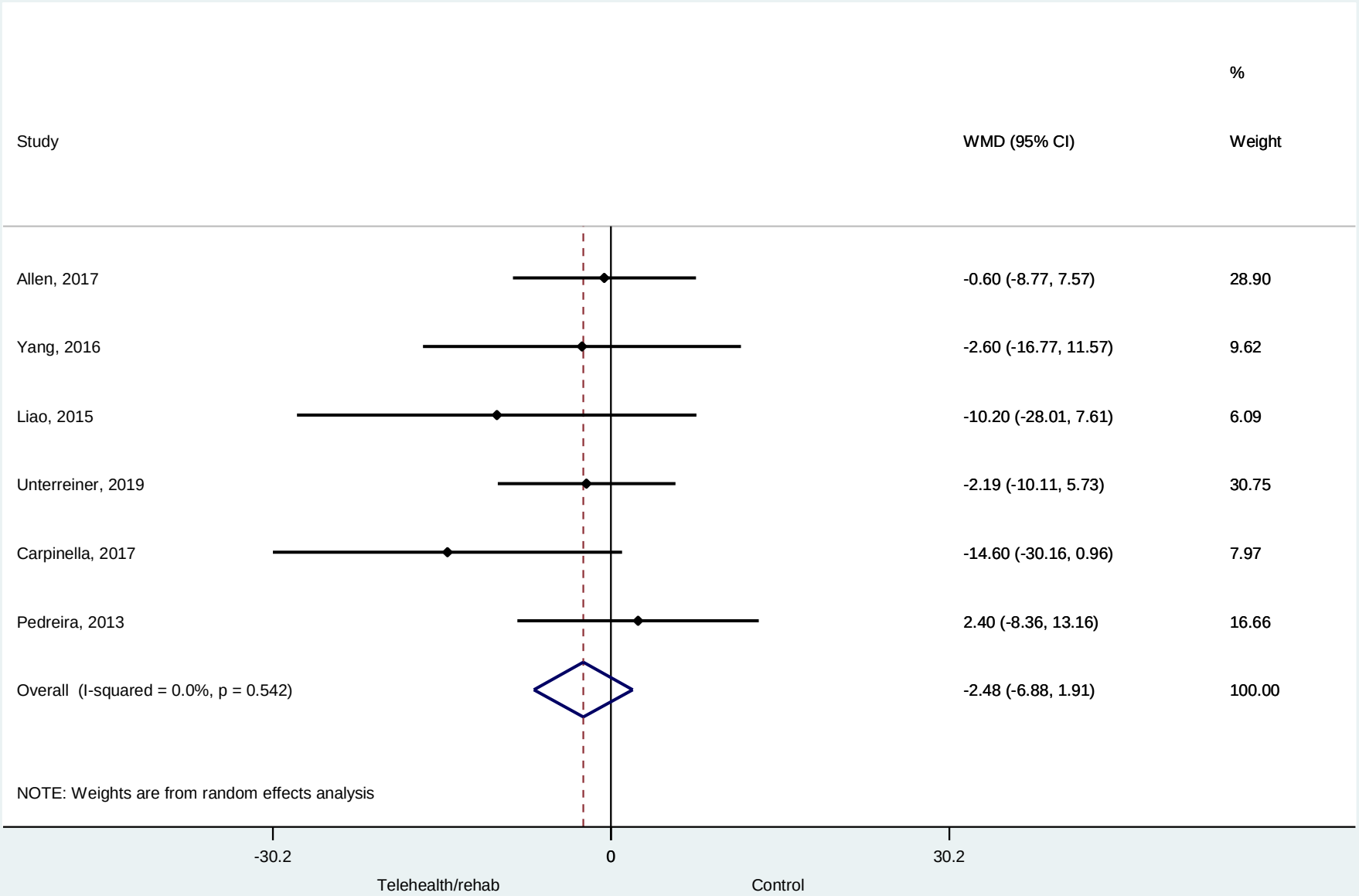

Figure 41: Meta-analysis- Cognition (post)

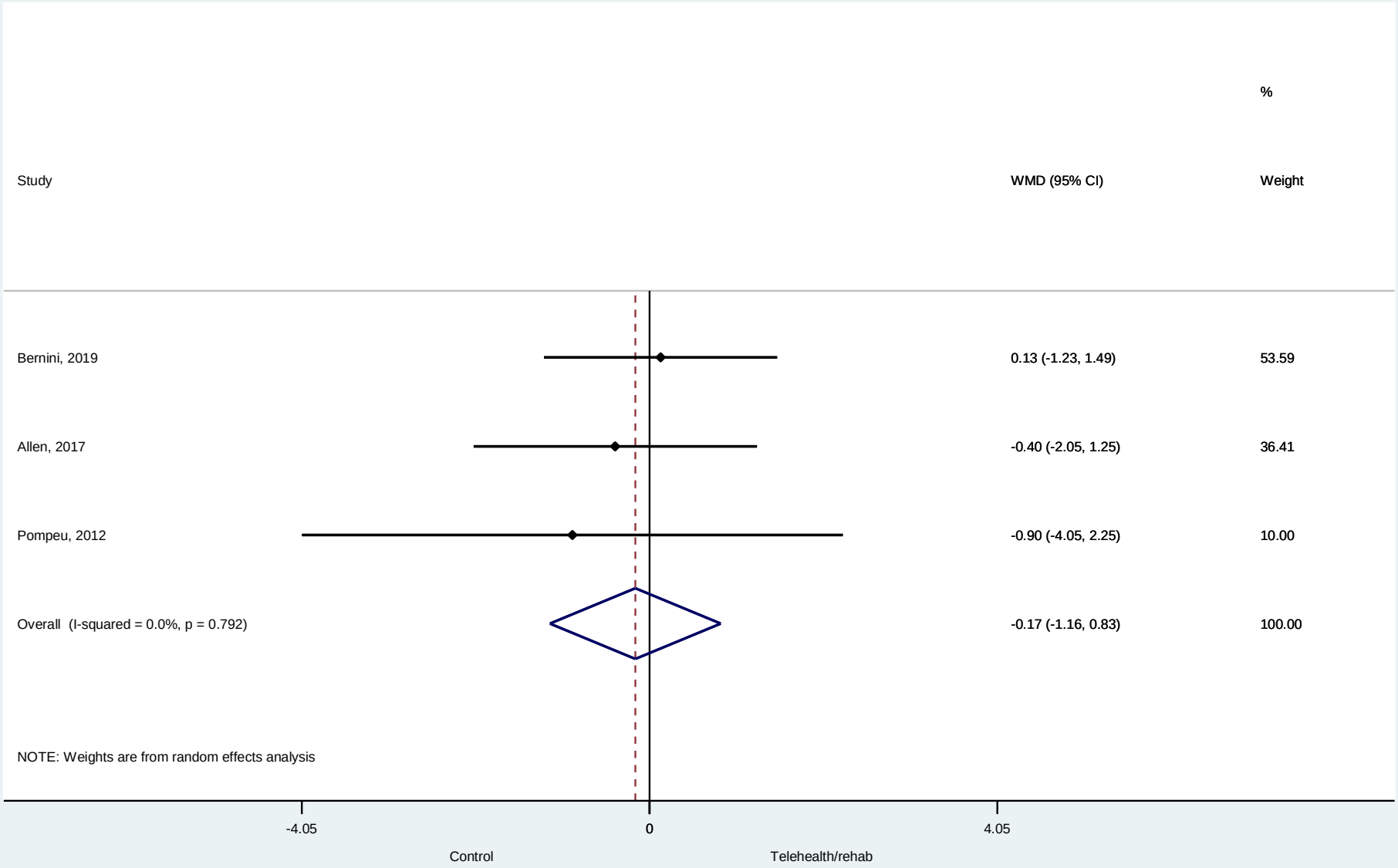

Figure 42: Meta-analysis- Gait assessment (post)

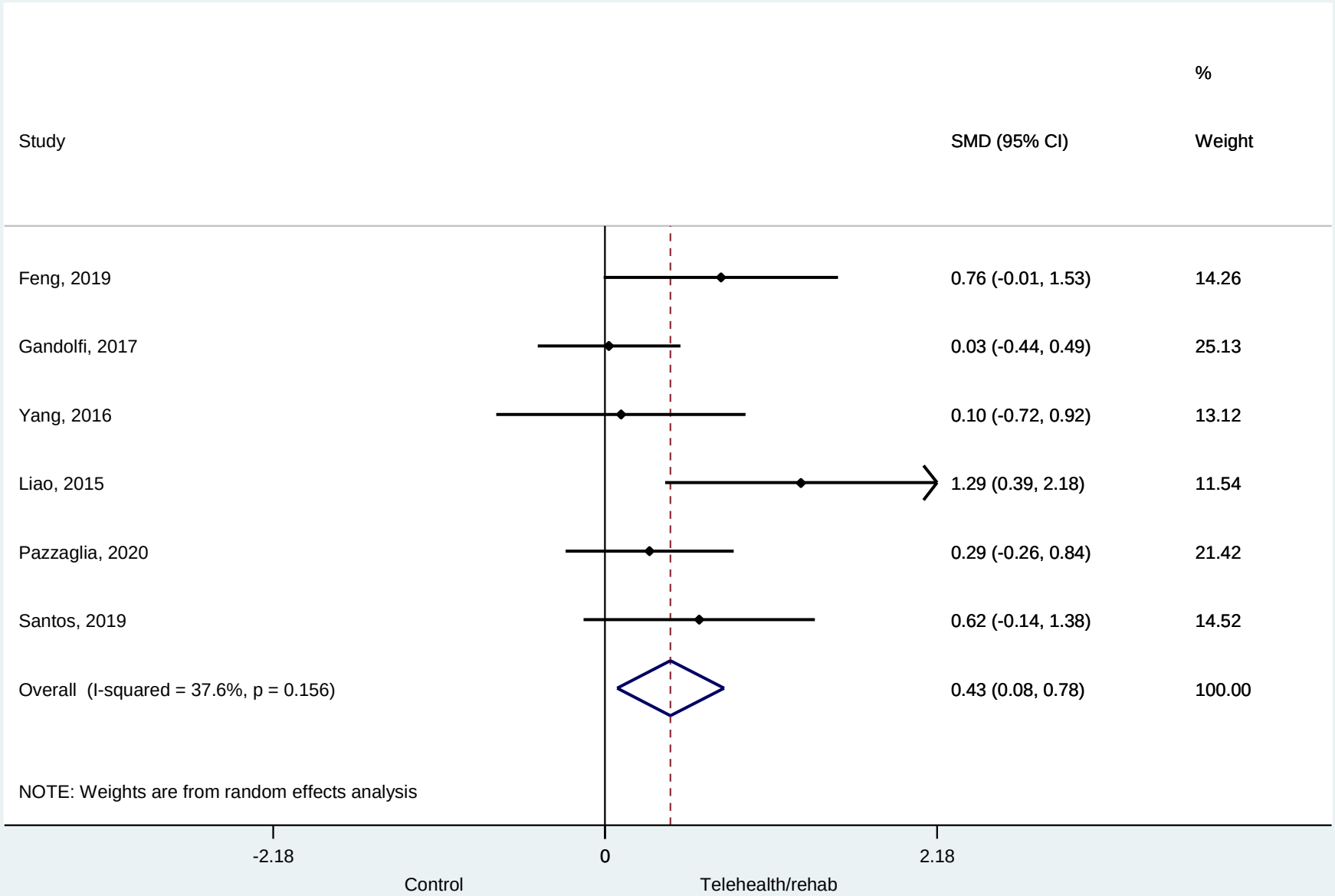

Figure 43: Meta-analysis- Balance (post)

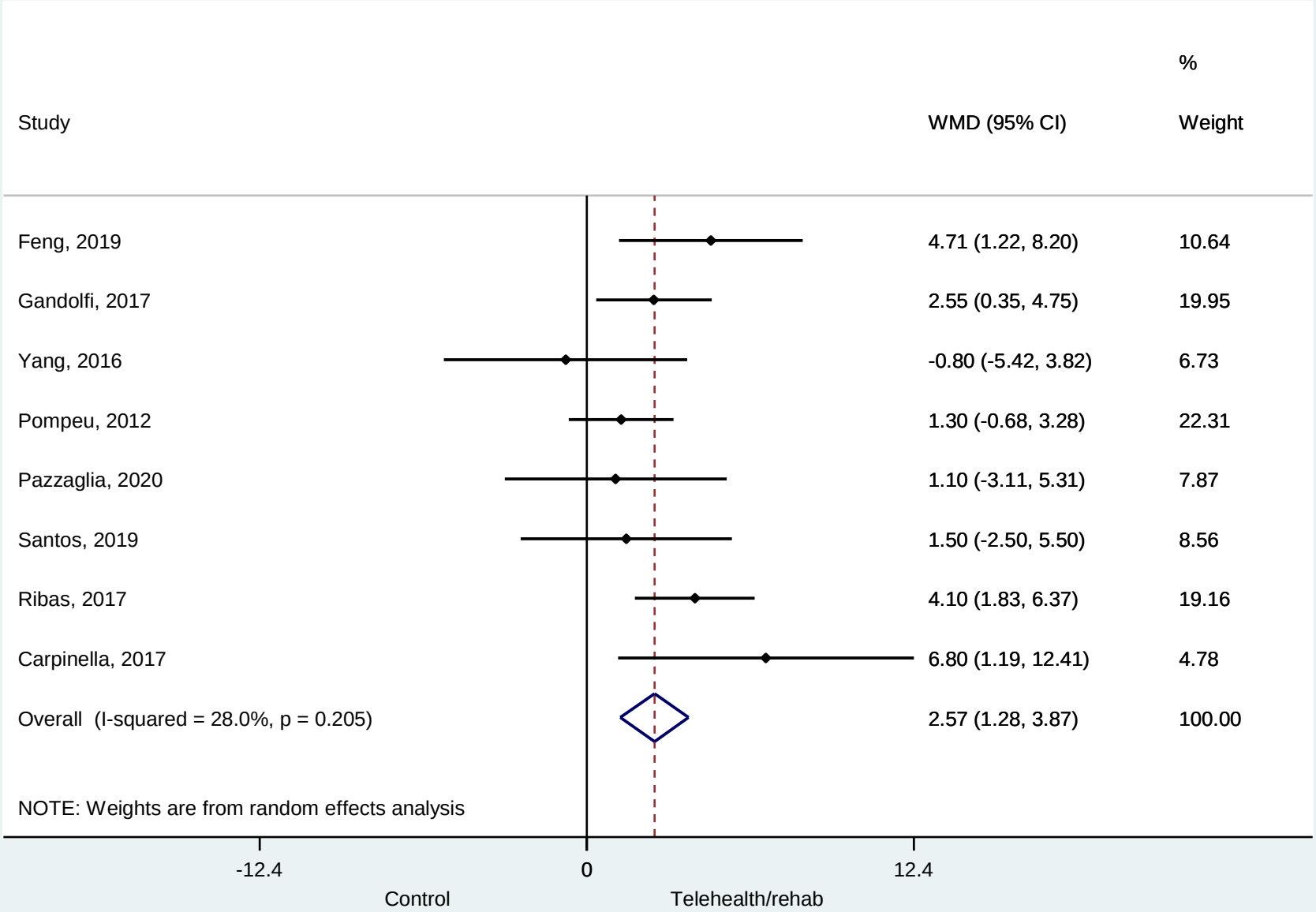

Table 231216: PICO 15b- Mobile health vs. Control/None- Adherence to Tx

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Total duration (min)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-274.3 (-463.06, -85.54)	**Control (Gait training with Gait advice + Freezing advice)**
Ginis, 2016	High	Sessions completed ( )	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	0.4 (-5.70, 6.50)	NS
Ellis, 2019	High	Sessions completed (Time spent on exercise program (days/week))	12 mos	Mobile-health mediated exercise program (Individualized exercise and walking program using mobile health application): 5-7 exercises for _x001A_3 days/wk, 12 months	Active Control (Individualized exercise and walking program without mobile health program): 5-7 exercises for _x001A_3 days/wk, 12 months	Author Reported - ANCOVA	N/A	NS
Lakshminarayana, 2017	Moderate	MMAS-8 (Morisky Medication Adherence Scale) ( )	16 wks	Parksinson's Tracker App: 16 weeks	Control (Usual care)	Mean Difference	0.56 (0.08, 1.04)	**Parksinson's Tracker App**

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lakshminarayana, 2017	Moderate	BMQ (Beliefs about Medication Questionnaire) ( )	16 wks	Parksinson's Tracker App: 16 weeks	Control (Usual care)	Author Reported	-0.42(-2.16,1.32)	NS

Table 232217: PICO 15b- Mobile health vs. Control/None- Adverse events

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ellis, 2019	High	Adverse events ( )	12 mos	Mobile-health mediated exercise program (Individualized exercise and walking program using mobile health application): 5-7 exercises for _x001A_3 days/wk, 12 months	Active Control (Individualized exercise and walking program without mobile health program): 5-7 exercises for _x001A_3 days/wk, 12 months	RD	.(.,.)	NS

Table 233218: PICO 15b- Mobile health vs. Control/None- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	UPDRS III ( )	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-2.85 (-12.45, 6.75)	NS
Ginis, 2016	High	UPDRS III ( )	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-3.8 (-13.20, 5.60)	NS

Table 234219: PICO 15b- Mobile health vs. Control/None- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Gait speed (Comfortable gait speed (m/s))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.01 (-0.13, 0.11)	NS
Ginis, 2016	High	Gait speed (Comfortable gait speed (m/s))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.02 (-0.15, 0.11)	NS
Ginis, 2016	High	Stride (Comfortable gait: Stride length (m))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.06 (-0.17, 0.05)	NS
Ginis, 2016	High	Stride (Comfortable gait: Stride length (m))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.05 (-0.17, 0.07)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Double support (Comfortable gait: Double support time (% GCT))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	1.92 (-0.39, 4.23)	NS
Ginis, 2016	High	Double support (Comfortable gait: Double support time (% GCT))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	1.71 (-0.79, 4.21)	NS
Ginis, 2016	High	Gait speed (Dual task gait: Gait speed (m/s))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	0 (-0.13, 0.13)	NS
Ginis, 2016	High	Gait speed (Dual task gait: Gait speed (m/s))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.02 (-0.16, 0.12)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Stride (Dual task stride length)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.05 (-0.17, 0.07)	NS
Ginis, 2016	High	Stride (Dual task stride length)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.05 (-0.18, 0.08)	NS
Ginis, 2016	High	Double support (Dual task gait: Double support time (% GCT))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	1.62 (-0.99, 4.23)	NS
Ginis, 2016	High	Double support (Dual task gait: Double support time (% GCT))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	1.43 (-1.37, 4.23)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Balance (Mini BESTest)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	1.66 (-1.40, 4.72)	NS
Ginis, 2016	High	Balance (Mini BESTest)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.05 (-3.13, 3.03)	NS
Ginis, 2016	High	Mobility (5T Sit-to-Stand)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.81 (-2.72, 1.10)	NS
Ginis, 2016	High	Mobility (5T Sit-to-Stand)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.26 (-2.15, 1.63)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Fall Fear/Risk (FES-I)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.47 (-7.42, 6.48)	NS
Ginis, 2016	High	Fall Fear/Risk (FES-I)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-1.26 (-7.48, 4.96)	NS
Ginis, 2016	High	Walk test (2MWT (m))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	3.65 (-17.11, 24.41)	NS
Ginis, 2016	High	Walk test (2MWT (m))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-2.5 (-24.55, 19.55)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	FOG (NFOGQ)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-2.17 (-6.69, 2.35)	NS
Ginis, 2016	High	FOG (NFOGQ)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-1.77 (-6.72, 3.18)	NS
Ginis, 2016	High	Gait assessment (Ziegler)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	1.07 (-3.35, 5.49)	NS
Ginis, 2016	High	Gait assessment (Ziegler)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	0.7 (-2.83, 4.23)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ellis, 2019	High	Step (Number of minutes containing _x001A_100 steps)	12 mos	Mobile-health mediated exercise program (Individualized exercise and walking program using mobile health application): 5-7 exercises for _x001A_3 days/wk, 12 months	Active Control (Individualized exercise and walking program without mobile health program): 5-7 exercises for _x001A_3 days/wk, 12 months	Author Reported - ANCOVA	N/A	NS
Ellis, 2019	High	Walk test (6MWT (m))	12 mos	Mobile-health mediated exercise program (Individualized exercise and walking program using mobile health application): 5-7 exercises for _x001A_3 days/wk, 12 months	Active Control (Individualized exercise and walking program without mobile health program): 5-7 exercises for _x001A_3 days/wk, 12 months	Author Reported - ANCOVA	N/A	NS

Table 235220: PICO 15b- Mobile health vs. Control/None- Non-motor symptoms

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Cognition (Color Trail Test- A (sec))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-11.24 (-35.85, 13.37)	NS
Ginis, 2016	High	Cognition (Color Trail Test- A (sec))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.47 (-18.42, 17.48)	NS
Ginis, 2016	High	Cognition (Color Trail Test- B (sec))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	23.17 (-16.16, 62.50)	NS
Ginis, 2016	High	Cognition (Color Trail Test- B (sec))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	5.35 (-32.58, 43.28)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	Cognition (Verbal fluency- Sit (#))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-1.72 (-12.23, 8.79)	NS
Ginis, 2016	High	Cognition (Verbal fluency- Sit (#))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-5.13 (-17.11, 6.85)	NS
Ginis, 2016	High	Cognition (Verbal fluency- Walk (#))	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.13 (-3.86, 3.60)	NS
Ginis, 2016	High	Cognition (Verbal fluency- Walk (#))	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-0.83 (-5.07, 3.41)	NS
Lakshminarayana, 2017	Moderate	Non-motor symptoms questionnaire ( )	16 wks	Parksinson's Tracker App: 16 weeks	Control (Usual care)	Author Reported	-0.82(-1.75,0.10)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lakshminarayana, 2017	Moderate	Anxiety (HADS (Anxiety))	16 wks	Parksinson's Tracker App: 16 weeks	Control (Usual care)	Author Reported	0.30(-0.42,1.01)	NS
Lakshminarayana, 2017	Moderate	Depression (HADS (Depression))	16 wks	Parksinson's Tracker App: 16 weeks	Control (Usual care)	Author Reported	0.03(-0.63,0.70)	NS

Table 236221: PICO 15b- Mobile health vs. Control/None- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	SF-36 (SF-36 Total)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	0.48 (-11.21, 12.17)	NS
Ginis, 2016	High	SF-36 (SF-36 Total)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	5.65 (-6.41, 17.71)	NS
Ginis, 2016	High	SF-36 (SF-36 PCS)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	-3.39 (-14.77, 7.99)	NS
Ginis, 2016	High	SF-36 (SF-36 PCS)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	6.51 (-3.67, 16.69)	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	SF-36 (SF-36 MCS)	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	5.43 (-6.85, 17.71)	NS
Ginis, 2016	High	SF-36 (SF-36 MCS)	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	4.01 (-9.69, 17.71)	NS
Ellis, 2019	High	PDQ-39 ( )	12 mos	Mobile-health mediated exercise program (Individualized exercise and walking program using mobile health application): 5-7 exercises for _x001A_3 days/wk, 12 months	Active Control (Individualized exercise and walking program without mobile health program): 5-7 exercises for _x001A_3 days/wk, 12 months	Author Reported	N/A	NS
Ellis, 2019	High	PDQ-39 (PDQ-39 (Mobility))	12 mos	Mobile-health mediated exercise program (Individualized exercise and walking program using mobile health application): 5-7 exercises for _x001A_3 days/wk, 12 months	Active Control (Individualized exercise and walking program without mobile health program): 5-7 exercises for _x001A_3 days/wk, 12 months	Author Reported - ANCOVA	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Lakshminarayana, 2017	Moderate	PDQ-39 ( )	16 wks	Parksinson's Tracker App: 16 weeks	Control (Usual care)	Author Reported	-0.22(-3.95,3.52)	NS
Lakshminarayana, 2017	Moderate	Patient-Centered Questionnaire for PD ( )	16 wks	Parksinson's Tracker App: 16 weeks	Control (Usual care)	Author Reported	0.15(0.03,0.27)	NS

Table 237222: PICO 15b- Mobile health vs. Control/None- Physical activity

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Ginis, 2016	High	PASE ( )	.	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	12.65 (-27.08, 52.38)	NS
Ginis, 2016	High	PASE ( )	4 wks	CuPiD group (Gait training with Gait advice + ABF-app (audio biofeedback), Freezing advice + FOG-app): 30min, 3x/week, 6 weeks	Control (Gait training with Gait advice + Freezing advice): 30min, 3x/week, 6 weeks	Mean Difference	2.38 (-35.01, 39.77)	NS
Ellis, 2019	High	Daily steps (Steps/day (Step activity monitor))	12 mos	Mobile-health mediated exercise program (Individualized exercise and walking program using mobile health application): 5-7 exercises for _x001A_3 days/wk, 12 months	Active Control (Individualized exercise and walking program without mobile health program): 5-7 exercises for _x001A_3 days/wk, 12 months	Mean Difference	-571 (-2511.60, 1369.60)	NS

Table 238223: PICO 15c- Tele-health vs. Tele-health- Disease progression

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cikajlo, 2019	High	UPDRS III ( )	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS

Table 239224: PICO 15c- Tele-health vs. Tele-health- Function

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cikajlo, 2019	High	Hand/UE dexterity (Box and Block Test (More affected))	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS
Cikajlo, 2019	High	Hand/UE dexterity (Box and Block Test (Less affected))	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS
Cikajlo, 2019	High	Manipulation time of virtual objects (Time from first touch to end)	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS
Cikajlo, 2019	High	Manipulation time of virtual objects (Average time of manipulation)	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS
Cikajlo, 2019	High	Manipulation time of virtual objects (Inserted boxes)	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cikajlo, 2019	High	Manipulation time of virtual objects (Total number of tries)	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS
Cikajlo, 2019	High	Tremor (Average tremor indicator)	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS
Cikajlo, 2019	High	Tremor (Average tremor indicator (per second))	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported	N/A	NS
Santos, 2019	High	Balance (BBS)	.	Nintendo Wii (Wii Sport and Wii Fit) with Conventional exercise group (NWCEG): 50min, 2x/wk, 8 weeks	Nintendo Wii Group (NWG) (Wii Sport and Wii Fit): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS
Santos, 2019	High	Gait assessment (DGI)	.	Nintendo Wii (Wii Sport and Wii Fit) with Conventional exercise group (NWCEG): 50min, 2x/wk, 8 weeks	Nintendo Wii Group (NWG) (Wii Sport and Wii Fit): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Santos, 2019	High	Mobility (TUG)	.	Nintendo Wii (Wii Sport and Wii Fit) with Conventional exercise group (NWCEG): 50min, 2x/wk, 8 weeks	Nintendo Wii Group (NWG) (Wii Sport and Wii Fit): 50min, 2x/wk, 8 weeks	Author Reported	N/A	NS

Table 240225: PICO 15c- Tele-health vs. Tele-health- Participation/QOL

Reference Title	Quality	Outcome Details	Duration	Treatment 1 (Details)	Treatment 2 (Details)	Effect Measure	Result (95% CI)	Favored Treatment
Cikajlo, 2019	High	IMI (Intrinsic Motivation Inventory) (IMI (Interest/Enjoyment))	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported - Mac-Skilling	N/A	NS
Cikajlo, 2019	High	IMI (Intrinsic Motivation Inventory) (IMI (Effort/Importance))	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported - Mac-Skilling	N/A	NS
Cikajlo, 2019	High	IMI (Intrinsic Motivation Inventory) (IMI (Perceived competence))	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported - Mac-Skilling	N/A	NS
Cikajlo, 2019	High	IMI (Intrinsic Motivation Inventory) (IMI (Pressure/Tension))	.	3D Oculus Rift CV1 (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	2D (LCD) Exergaming (10Cubes Exergaming System): 30min-1hr/session, 10 sessions, 3 weeks	Author Reported - Mac-Skilling	N/A	NS