Sharpened self-other distinction in attention deficit hyperactivity disorder

Rebecca Boehme[1,4], Morgan Frost Karlsson[1], Markus Heilig[1,4], Håkan Olausson[1,3,4], Andrea Johansson Capusan[1,2]

1 Center for Social and Affective Neuroscience, Linköping University, Department of Biomedical and Clinical Sciences, 58185 Linköping, Sweden
2Department of Psychiatry, Linköping University, 58185 Linköping, Sweden
3 Department of Clinical Neurophysiology, Linköping University Hospital, 58185 Linköping, Sweden
4 Center for Medical Imaging and Visualization, Linköping University, 58185 Linköping, Sweden

Supplement

fMRI

ADHD and HC groups did not differ in their BOLD response during object touch.

S-Tables

S2: Difference between other-touch and self-touch: main effect of condition in HC. P< 0.05, FWE-corrected at the whole brain level, clustersize > 20.

Cluster	Region		X	Y	Z	T	p
42195	Superior Temporal Gyrus	R	48	12	-28	12.86201	<0.001
			50	8	-24	12.26348	
			38	14	-28	11.45662	
			34	0	-14	11.1251	
			34	6	-24	10.53415	
			54	-6	-14	10.47736	
			50	-24	-4	9.916094	

	Middle Temporal Gyrus	R	50	4	-32	12.03588	
			54	4	-20	11.47657	
			60	-12	-10	10.05771	
	Amygdala	R	24	-6	-14	11.67244	
			28	-4	-16	11.60567	
	Claustrum	R	32	12	-10	11.13966	
	Anterior Cingulate	L	-4	30	6	11.06143	
	Hippocampus	R	30	-20	-14	9.585749	
	Inferior Frontal Gyrus	R	46	34	-8	9.435871	
459	Cerebellum, Uvula	L	-22	-78	-34	8.722385	<0.001
431	Cerebellum, Uvula	R	30	-76	-34	7.660537	<0.001
	Cerebellum, Declive	R	26	-78	-30	7.104532	
			16	-76	-30	6.392584	
	Cerebellum, Tuber	R	40	-70	-32	5.8607	
			40	-62	-38	5.176129	
31	Precentral Gyrus	L	-60	-6	20	5.793511	<0.001
28	Superior Frontal Gyrus	R	10	20	62	5.782611	<0.001
			12	28	64	4.867837	
20	Precentral Gyrus	L	-40	-14	34	5.336623	<0.001

S3: Difference between other-touch and self-touch: main effect of condition in ADHD. P< 0.05, FWE-corrected at the whole brain level, clustersize > 20.

Cluster	Region		X	Y	Z	T	p
41036	Inferior Frontal Gyrus	R	28	14	-12	12.0653	<0.001

	Superior Temporal Gyrus	R	44	14	-26	12.05844	
			34	0	-14	11.85004	
			38	6	-22	10.73477	
		L	-44	10	-30	10.30486	
	Claustrum	R	34	4	-10	11.78502	
		L	-30	12	-10	10.51156	
	Anterior Cingulate	L	-4	30	6	11.63544	
			4	30	6	10.94705	
	Middle Temporal Gyrus	R	50	8	-22	11.27361	
			50	2	-30	11.1685	
		L	-52	-6	-18	10.05182	
	Amygdala	R	26	-8	-16	11.07689	
		L	-30	-6	-18	10.58287	
			-26	-6	-16	10.55578	
	Fusiform Gyrus	L	-50	-2	-30	9.980103	
41036	Inferior Frontal Gyrus	R	28	14	-12	12.0653	<0.001
	Superior Temporal Gyrus	R	44	14	-26	12.05844	
			34	0	-14	11.85004	
303	Cerebellum, Uvula	L	-22	-78	-34	7.331217	<0.001
29	Cerebllum, Vermis	R	4	-48	-34	6.797494	<0.001
26	Cerebellum, Lingual	L	-6	-42	-14	6.152034	<0.001
86	Cerebellum, Declive	R	22	-76	-30	6.123024	<0.001
76	Precentral Gyrus	R	38	-6	36	5.953971	<0.001
26	Precentral Gyrus	R	64	0	30	5.688032	<0.001
			62	-2	38	5.38068	