

Appendix 30

Summary of data from Adjuvant! Online used – estimated 10-year survival

| Risk profile level | Definition | Mortality % (range) | 10-year mortality (adjuvant actual) | Total % in each category (ER+ and ER-) | Total in category adjusting for ER status- | | Treatment | Notes |
|--------------------|--------------------------------|---------------------|-------------------------------------|--|--|---|-----------------|-------|
| 1 | ER+, G1, TS 0.1–2.0, 0 node | 1–3 | 2 | 12.3 | 8.61 | 17.22 | Hormone | |
| | ER+, G2, TS 0.1–2.0, 0 nodes | 4–6 | 5.5 | 19.1 | 13.37 | 73.535 | Hormone | |
| | ER+, G1, TS 2.1–5.0, 0 nodes | 4–6 | 6.1 | 1.9 | 1.33 | 8.113 | Hormone | |
| | ER+, G1, TS 0.1–2.0, 1–3 nodes | 4–6 | 4.4 | 2.20 | 1.54 | 6.776 | Hormone + chemo | |
| | ER-, G1, TS 0.1–2.0, 0 nodes | 4–6 | 6 | 12.3 | 3.69 | 22.14 | Nothing | |
| | ER+, G3, TS 0.1–2.0, 0 nodes | 4–6 | 6.4 | 10 | 7 | 44.8 | Hormone + chemo | |
| | | | | | <i>35.54</i> | <i>4.86 = average for risk profile 1</i> | | |
| 2 | ER+, G2, TS 2.1–5.0, 1–3 nodes | 16–18 | 18.5 | 5.7 | 3.99 | 73.815 | Hormone + chemo | |
| | ER-, G1, TS 0.1–2.0, 1–3 nodes | 7–9 | 9.3 | 2.2 | 0.66 | 6.138 | Chemo | |
| | ER+, G2, TS 0.1–2.0, 1–3 nodes | 7–9 | 8.6 | 5.4 | 3.78 | 32.508 | Hormone + chemo | |
| | ER-, G3, TS 0.1–2.0, 0 nodes | 10–12 | 12.1 | 10 | 3 | 36.3 | Chemo | |
| | ER+, G2, TS 2.1–5.0, 0 nodes | 10–12 | 11.9 | 8.2 | 5.74 | 68.306 | Hormone | |
| | ER+, G1, TS 2.1–5.0, 1–3 nodes | 10–12 | 10.1 | 1 | 0.7 | 7.07 | Hormone + chemo | |
| | ER+, G1, TS 0.1–2.0, 4–9 nodes | 10–12 | 11.2 | 0.3 | 0.21 | 2.352 | Hormone + chemo | |
| | ER+, G3, TS 2.1–5.0, 0 nodes | 10–12 | 12.3 | 8.2 | 5.74 | 70.602 | Hormone + chemo | |
| | | | | | <i>23.82</i> | <i>12.47 = average for risk profile 2</i> | | |

| Risk profile level | Definition | Mortality % (range) | 10-year mortality (adjuvant actual) | Total % in each category (ER+ and ER-) | Total in category adjusting for ER status- | | Treatment | Notes |
|--------------------|--------------------------------|---------------------|-------------------------------------|--|--|------------------------------------|-----------------|-----------|
| 3 | ER+, G2, TS >5.0, 0 nodes | 13–15 | 14.6 | 0.4 | 0.28 | 4.088 | Hormone + chemo | |
| | ER+, G3, TS 0.1–2.0, 1–3 nodes | 13–15 | 15.7 | 3.4 | 2.38 | 37.366 | Hormone + chemo | |
| | ER+, G1, TS 2.1–5.0, 4–9 nodes | 16–19 | 16.2 | 0.4 | 0.28 | 4.536 | Hormone + chemo | |
| | ER-, G1, TS 2.1–5.0, 0 nodes | 13–15 | 15.9 | 1.9 | 0.57 | 9.063 | Nothing | 15% horm? |
| | ER-, G2, TS 0.1–2.0, 0 nodes | 13–15 | 13.9 | 19.1 | 5.73 | 79.647 | Nothing | 15% horm? |
| | ER+, G2, TS 0.1–2.0, 4–9 nodes | 16–19 | 17.3 | 1.7 | 1.19 | 20.587 | Hormone + chemo | |
| | ER-, G1, TS 0.1–2.0, 4–9 nodes | 22–24 | 22.8 | 0.3 | 0.09 | 2.052 | Chemo | 15% horm? |
| | ER-, G1, TS 2.1–5.0, 1–3 nodes | 22–24 | 22 | 1 | 0.3 | 6.6 | Chemo | 15% horm? |
| | ER-, G2, TS 0.1–2.0, 1–3 nodes | 22–24 | 22 | 5.4 | 1.62 | 35.64 | Chemo | 15% horm? |
| | ER-, G3, TS 0.1–2.0, 1–3 nodes | 22–24 | 24.3 | 3.4 | 1.02 | 24.786 | Chemo | 15% horm? |
| | ER-, G3, TS 2.1–5.0, 0 nodes | 22–24 | 22.8 | 8.2 | 2.46 | 56.088 | Chemo | 15% horm? |
| | ER+, G3, TS >5.0, 0 nodes | 16–19 | 19.1 | 0.4 | 0.28 | 5.348 | Hormone + chemo | |
| | ER- G1, TS >5.0, 0 nodes | 22–24 | 22.9 | 0.09 | 0.027 | 0.6183 | Hormone | 15% horm? |
| | ER+, G3, TS 2.1–5.0, 1–3 nodes | 22–24 | 24.7 | 5.4 | 3.78 | 93.366 | Hormone + chemo | |
| | ER+, G2, TS 2.1–5.0, 4–9 nodes | 22–24 | 24.7 | 3.8 | 2.66 | 65.702 | Hormone + chemo | |
| | | | | | 22.67 | 19.65 = average for risk profile 3 | | |

| Risk profile level | Definition | Mortality % (range) | 10-year mortality (adjuvant actual) | Total % in each category (ER+ and ER-) | Total in category adjusting for ER status- | Treatment | Notes | |
|--------------------|--------------------------------|---------------------|-------------------------------------|--|--|-----------|------------------------------------|------------------|
| 4 | ER-, G1, TS 2.1–5.0, 4–9 nodes | 28–30 | 28.2 | 0.4 | 0.12 | 3.384 | Chemo | 15% chemo? |
| | ER-, G2, TS 2.1–5.0, 0 nodes | 28–30 | 28.8 | 8.2 | 2.46 | 70.848 | Hormone | If large ,chemo? |
| | ER+, G1, TS >5.0, 0 nodes | 28–30 | 28.2 | 0.09 | 0.063 | 1.7766 | Hormone | Chemo? |
| | ER-, G1, TS >5.0, 1–3 nodes | 28–30 | 29.8 | 0.06 | 0.018 | 0.5364 | Chemo | 15% horm? |
| | ER-, G3, TS >5.0, 0 nodes | 28–30 | 29.8 | 0.4 | 0.12 | 3.576 | Chemo | 15% horm? |
| | ER+, G2, TS >5.0, 1–3 nodes | 25–27 | 25.3 | 0.6 | 0.42 | 10.626 | Hormone + chemo | |
| | ER+, G1, TS 2.1–5.0, 9+ nodes | 28–30 | 28 | 0.4 | 0.28 | 7.84 | Hormone + chemo | |
| | ER+, G3, TS 0.1–2.0, 4–9 nodes | 28–30 | 29.3 | 1.7 | 1.19 | 34.867 | Hormone + chemo | |
| | ER+, G1, TS >5.0, 1–3 nodes | 28–30 | 29.8 | 0.06 | 0.042 | 1.2516 | Hormone + chemo | |
| | | | | | 4.713 | | 28.58 = average for risk profile 4 | |
| 5 | ER+, G1, TS 0.1–2.0, 9+ nodes | 31–33 | 32.2 | 0.32 | 0.224 | 7.2128 | Chemo | |
| | ER+, G2, TS 0.1–2.0, 9+ nodes | 31–33 | 31.4 | 1.7 | 1.19 | 37.366 | Hormone + chemo | |
| | ER+, G3, TS >5.0, 1–3 nodes | 31–33 | 33.6 | 0.6 | 0.42 | 14.112 | Hormone + chemo | |
| | ER+, G2, TS >5.0, 4–9 nodes | 31–33 | 33.6 | 1 | 0.7 | 23.52 | Hormone + chemo | |
| | | | | | 2.534 | | 32.44 = average for risk profile 5 | |
| 6 | ER-, G2, TS 0.1–2.0, 4–9 nodes | 34–36 | 34 | 1.7 | 0.51 | 17.34 | Chemo | 15% horm? |
| | ER+, G2, TS 2.1–5.0, 9+ nodes | 37–39 | 38.2 | 3.8 | 2.66 | 101.612 | Hormone + chemo | |
| | ER+, G3, TS 0.1–2.0, 9+ nodes | 37–39 | 38.6 | 1.7 | 1.19 | 45.934 | Hormone + chemo | |
| | ER+, G3, TS 2.1–5.0, 4–9 nodes | 37–39 | 37.4 | 4.6 | 3.22 | 120.428 | Hormone + chemo | |
| | ER-, G1, TS 0.1–2.0, 9+ nodes | 37–39 | 39.9 | 0.3 | 0.09 | 3.591 | Chemo | 15% horm? |
| | ER-, G3, TS 2.1–5.0, 1–3 nodes | 37–39 | 39.9 | 5.4 | 1.62 | 64.638 | Chemo | 15% horm? |
| | ER-, G2, TS 2.1–5.0, 1–3 nodes | 34–36 | 36.4 | 5.7 | 1.71 | 62.244 | Chemo | 15% horm? |
| | ER-, G1, TS >5.0, 4–9 nodes | 37–39 | 38.1 | 0.1 | 0.03 | 1.143 | Chemo | 15% horm? |
| | ER-, G2, TS >5.0, 0 nodes | 37–39 | 37.8 | 0.4 | 0.12 | 4.536 | Nothing | 15% horm? |
| | | | | | 11.15 | | 37.80 = average for risk profile 6 | |

| Risk profile level | Definition | Mortality % (range) | 10-year mortality (adjuvant actual) | Total % in each category (ER+ and ER-) | Total in category adjusting for ER status- | | Treatment | Notes |
|--------------------|--------------------------------|---------------------|-------------------------------------|--|--|---|-----------------|-----------|
| 7 | ER-, G1, TS 2.1–5.0, 9+ nodes | 46–48 | 46 | 0.4 | 0.12 | 5.52 | Chemo | 15% horm? |
| | ER-, G3, TS 0.1–2.0, 4–9 nodes | 46–48 | 46.9 | 1.7 | 0.51 | 23.919 | Chemo | 15% horm? |
| | ER-, G2, TS 0.1–2.0, 9+ nodes | 49–51 | 51.5 | 1.7 | 0.51 | 26.265 | Chemo | 15% horm? |
| | ER-, G2, TS 2.1–5.0, 4–9 nodes | 46–48 | 46.9 | 3.8 | 1.14 | 53.466 | Chemo | 15% horm? |
| | ER-, G2, TS >5.0, 1–3 nodes | 46–48 | 47.9 | 0.6 | 0.18 | 8.622 | Chemo | 15% horm? |
| | ER-, G3, TS >5.0, 1–3 nodes | 49–51 | 51.5 | 0.6 | 0.18 | 9.27 | Chemo | 15% horm? |
| | ER+, G1, TS >5.0, 4–9 nodes | 49–51 | 51.2 | 0.1 | 0.07 | 3.584 | hormone + chemo | |
| | ER+, G2, TS >5.0, >9 nodes | 49–51 | 49.6 | 1 | 0.7 | 34.72 | Hormone + chemo | |
| | ER+, G3, TS >5.0, 4–9 nodes | 46–48 | 48.6 | 1.3 | 0.91 | 44.226 | Hormone + chemo | |
| | ER+, G3, TS 2.1–5.0, 9+ nodes | 49–51 | 51.6 | 4.6 | 3.22 | 166.152 | Hormone + chemo | |
| | | | | | <i>7.54</i> | <i>49.83 = average for risk profile 7</i> | | |
| 8 | ER-, G3, TS 2.1–5.0, 4–9 nodes | 52–54 | 52.5 | 4.6 | 1.38 | 72.45 | Chemo | 15% horm? |
| | ER-, G2, TS 2.1–5.0, 9+ nodes | 58–60 | 60.4 | 3.8 | 1.14 | 68.856 | Chemo | 15% horm? |
| | ER-, G3, TS 0.1–2.0, 9+ nodes | 64–66 | 66.8 | 1.7 | 0.51 | 34.068 | Chemo | 15% horm? |
| | ER-, G3, TS 2.1–5, 9+ nodes | 73–75 | 75.1 | 4.6 | 1.38 | 103.638 | Chemo | 15% horm? |
| | ER+, G1, TS >5.0, >9 nodes | 67–69 | 68.3 | 0.1 | 0.07 | 4.781 | Hormone + chemo | |
| | ER+, G3, TS >5.0, >9 nodes | 64–66 | 65.2 | 1.3 | 0.91 | 59.332 | Hormone + chemo | |
| | ER-, G1, TS >5.0, >9 nodes | 58–60 | 59.4 | 0.1 | 0.03 | 1.782 | Chemo | 15% horm? |
| | ER-, G2, TS >5.0, 4–9 nodes | 58–60 | 60.4 | 1 | 0.3 | 18.12 | Chemo | 15% horm? |
| | ER-, G2, TS >5.0, >9 nodes | 73–75 | 73.8 | 1 | 0.3 | 22.14 | Chemo | 15% horm? |
| | ER-, G3, TS >5.0, 4–9 nodes | 64–66 | 65.7 | 1.3 | 0.39 | 25.623 | Chemo | 15% horm? |
| | ER-, G3, TS >5.0, >9 nodes | 86 + | 86.6 | 1.3 | 0.39 | 33.774 | Chemo | 15% horm? |
| | | | | | <i>6.8</i> | <i>65.38 = average for risk profile 8</i> | | |

TS, tumour size.

Assumptions

Decision rules for treatment

1. ER+ = hormone therapy
 2. Grade 3 = chemotherapy
 3. ER+ and positive nodes = hormone + chemotherapy
 4. ER-, 0 nodes = nothing
 5. ER- = chemotherapy (15% might get hormone therapy in addition)
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