

1 **Table S1 - EORTC QLQ-C30 questionnaire scores over time according to**
 2 **lymphadenectomy group**

| Scale/Item | | N | Mean | SD | P value |
|----------------------------------|---------|-----|-------|--------|---------|
| Global health status | SLN | 112 | 74.25 | ±21.70 | 0.722 |
| | SLN+LND | 39 | 74.64 | ±18.27 | |
| Global health status 1m | SLN | 108 | 77.62 | ±16.65 | 0.109 |
| | SLN+LND | 39 | 72.64 | ±16.10 | |
| Global health status 6m | SLN | 100 | 77.83 | ±18.24 | 0.178 |
| | SLN+LND | 34 | 72.54 | ±23.43 | |
| Global health_status 12m | SLN | 100 | 82.33 | ±17.37 | 0.219 |
| | SLN+LND | 34 | 78.18 | ±15.49 | |
| Physical functioning general | SLN | 112 | 77.36 | ±16.39 | 0.558 |
| | SLN+LND | 39 | 79.09 | ±14.11 | |
| Physical functioning_general 1m | SLN | 108 | 78.34 | ±15.95 | 0.030 |
| | SLN+LND | 39 | 71.70 | ±16.82 | |
| Physical functioning general 6m | SLN | 100 | 82.26 | ±17.83 | 0.088 |
| | SLN+LND | 34 | 76.22 | ±17.14 | |
| Physical functioning general 12m | SLN | 100 | 85.03 | ±16.31 | 0.361 |
| | SLN+LND | 34 | 82.18 | ±13.52 | |
| Physical functioning | SLN | 112 | 83.98 | ±19.87 | 0.862 |
| | SLN+LND | 39 | 84.61 | ±17.71 | |
| Physical functioning 1m | SLN | 108 | 78.62 | ±19.25 | 0.412 |
| | SLN+LND | 39 | 76.61 | ±20.57 | |
| Physical functioning 6m | SLN | 100 | 86.26 | ±19.53 | 0.051 |
| | SLN+LND | 34 | 78.62 | ±19.67 | |
| Physical functioning 12m | SLN | 100 | 88.60 | ±17.01 | 0.036 |
| | SLN+LND | 34 | 81.37 | ±17.65 | |
| Role functioning | SLN | 112 | 86.60 | ±24.07 | 0.309 |
| | SLN+LND | 39 | 82.05 | ±23.68 | |
| Role functioning 1m | SLN | 108 | 79.01 | ±26.01 | 0.032 |
| | SLN+LND | 39 | 68.37 | ±26.98 | |
| Role functioning 6m | SLN | 100 | 80.83 | ±27.04 | 0.051 |
| | SLN+LND | 34 | 74.01 | ±28.48 | |
| Role functioning 12m | SLN | 100 | 83.16 | ±25.12 | 0.360 |
| | SLN+LND | 34 | 80.88 | ±20.56 | |
| Emotional functioning | SLN | 112 | 59.87 | ±27.61 | 0.304 |
| | SLN+LND | 39 | 65.09 | ±26.01 | |
| Emotional functioning 1m | SLN | 108 | 71.06 | ±23.91 | 0.157 |

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|---------------------------|---------|-----|-------|--------|-------|
| | SLN+LND | 39 | 64.52 | ±26.47 | |
| Emotional functioning 6m | SLN | 100 | 74.77 | ±25.44 | 0.880 |
| | SLN+LND | 34 | 74.01 | ±24.25 | |
| Emotional functioning 12m | SLN | 100 | 79.08 | ±25.38 | 0.987 |
| | SLN+LND | 34 | 79.00 | ±19.82 | |
| Cognitive functioning | SLN | 112 | 79.16 | ±25.65 | 0.981 |
| | SLN+LND | 39 | 79.05 | ±21.19 | |
| Cognitive functioning 1m | SLN | 108 | 87.03 | ±20.42 | 0.106 |
| | SLN+LND | 39 | 80.76 | ±21.12 | |
| Cognitive functioning 6m | SLN | 100 | 84.00 | ±21.95 | 0.254 |
| | SLN+LND | 34 | 78.92 | ±23.32 | |
| Cognitive functioning 12m | SLN | 100 | 84.66 | ±21.14 | 0.784 |
| | SLN+LND | 34 | 85.78 | ±18.41 | |
| Social_functioning | SLN | 112 | 84.82 | ±22.32 | 0.222 |
| | SLN+LND | 39 | 89.74 | ±19.35 | |
| Social functioning 1m | SLN | 108 | 83.48 | ±23.62 | 0.012 |
| | SLN+LND | 39 | 71.79 | ±27.07 | |
| Social functioning 6m | SLN | 100 | 86.83 | ±23.24 | 0.011 |
| | SLN+LND | 34 | 74.01 | ±29.92 | |
| Social functioning 12m | SLN | 100 | 90.16 | ±19.11 | 0.700 |
| | SLN+LND | 34 | 88.72 | ±17.75 | |
| Symptom scales | SLN | 112 | 13.85 | ±14.53 | 0.687 |
| | SLN+LND | 39 | 14.93 | ±14.10 | |
| Symptom scales 1m | SLN | 108 | 11.95 | ±12.41 | 0.012 |
| | SLN+LND | 39 | 18.13 | ±14.57 | |
| Symptom scales 6m | SLN | 100 | 11.69 | ±15.15 | 0.083 |
| | SLN+LND | 34 | 17.04 | ±16.12 | |
| Symptom scales 12m | SLN | 100 | 8.76 | ±9.88 | 0.124 |
| | SLN+LND | 34 | 11.91 | ±11.18 | |
| Fatigue | SLN | 112 | 17.80 | ±22.03 | 0.972 |
| | SLN+LND | 39 | 17.94 | ±19.68 | |
| Fatigue 1m | SLN | 108 | 19.44 | ±20.17 | 0.030 |
| | SLN+LND | 38 | 28.65 | ±27.29 | |
| Fatigue 6m | SLN | 100 | 16.66 | ±23.45 | 0.038 |
| | SLN+LND | 34 | 26.47 | ±23.69 | |
| Fatigue 12m | SLN | 100 | 11.66 | ±15.90 | 0.036 |
| | SLN+LND | 34 | 18.62 | ±18.29 | |
| Nausea vomiting | SLN | 112 | 4.46 | ±14.14 | 0.247 |
| | SLN+LND | 39 | 7.69 | ±17.03 | |
| Nausea vomiting 1m | SLN | 108 | 1.69 | ±6.42 | 0.056 |

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|---------------------|---------|-----|-------|--------|-------|
| | SLN+LND | 39 | 5.12 | ±10.22 | |
| Nausea vomiting 6m | SLN | 100 | 4.50 | ±14.38 | 0.221 |
| | SLN+LND | 34 | 9.31 | ±20.99 | |
| Nausea vomiting 12m | SLN | 100 | 2.16 | ±8.42 | 0.050 |
| | SLN+LND | 34 | 8.33 | ±17.04 | |
| Pain | SLN | 112 | 19.94 | ±28.10 | 0.318 |
| | SLN+LND | 39 | 25.21 | ±28.83 | |
| Pain 1m | SLN | 108 | 19.90 | ±26.42 | 0.125 |
| | SLN+LND | 39 | 27.77 | ±29.69 | |
| Pain 6m | SLN | 100 | 15.83 | ±27.04 | 0.604 |
| | SLN+LND | 34 | 18.62 | ±26.51 | |
| Pain 12m | SLN | 100 | 15.50 | ±23.71 | 0.779 |
| | SLN+LND | 34 | 14.21 | ±20.56 | |
| Dyspnoea | SLN | 112 | 7.44 | ±18.82 | 0.854 |
| | SLN+LND | 39 | 6.83 | ±13.63 | |
| Dyspnoea 1m | SLN | 108 | 3.70 | ±13.92 | 0.826 |
| | SLN+LND | 39 | 4.27 | ±13.63 | |
| Dyspnoea 6m | SLN | 100 | 4.66 | ±14.99 | 0.347 |
| | SLN+LND | 34 | 7.84 | ±21.08 | |
| Dyspnoea 12m | SLN | 99 | 3.03 | ±10.74 | 0.698 |
| | SLN+LND | 34 | 3.92 | ±13.64 | |
| Insomnia | SLN | 112 | 29.46 | ±34.87 | 0.642 |
| | SLN+LND | 39 | 26.49 | ±32.87 | |
| Insomnia 1m | SLN | 108 | 22.53 | ±29.11 | 0.682 |
| | SLN+LND | 39 | 24.78 | ±30.31 | |
| Insomnia 6m | SLN | 99 | 23.23 | ±30.28 | 0.312 |
| | SLN+LND | 34 | 29.41 | ±31.53 | |
| Insomnia 12m | SLN | 98 | 18.36 | ±25.38 | 0.315 |
| | SLN+LND | 34 | 23.52 | ±26.62 | |
| Appetite loss | SLN | 111 | 8.40 | ±22.68 | 0.529 |
| | SLN+LND | 39 | 5.98 | ±12.95 | |
| Appetite loss_1m | SLN | 106 | 4.08 | ±15.73 | 0.541 |
| | SLN+LND | 39 | 5.98 | ±18.53 | |
| Appetite loss_6m | SLN | 100 | 4.66 | ±14.99 | 0.347 |
| | SLN+LND | 34 | 7.84 | ±21.80 | |
| Appetite loss 12m | SLN | 100 | 2.33 | ±8.54 | 0.143 |
| | SLN+LND | 34 | 5.88 | ±19.19 | |
| Constipation | SLN | 112 | 12.50 | ±23.72 | 0.651 |
| | SLN+LND | 39 | 14.52 | ±25.12 | |
| Constipation 1m | SLN | 108 | 5.55 | ±16.11 | 0.001 |

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|----------------------------|---------|-----|-------|--------|-------|
| | SLN+LND | 39 | 27.35 | ±34.93 | |
| Constipation 6m | SLN | 99 | 8.75 | ±22.63 | 0.109 |
| | SLN+LND | 34 | 16.66 | ±29.87 | |
| Constipation 12m | SLN | 99 | 8.41 | ±23.49 | 0.734 |
| | SLN+LND | 34 | 6.86 | ±21.36 | |
| Diarrhoea | SLN | 111 | 5.40 | ±17.13 | 0.815 |
| | SLN+LND | 38 | 6.14 | ±15.21 | |
| Diarrhoea 1m | SLN | 107 | 2.80 | ±15.26 | 0.971 |
| | SLN+LND | 37 | 2.70 | ±12.11 | |
| Diarrhoea 6m | SLN | 98 | 6.46 | ±17.68 | 0.292 |
| | SLN+LND | 34 | 11.76 | ±27.07 | |
| Diarrhoea 12m | SLN | 100 | 3.66 | ±12.44 | 0.198 |
| | SLN+LND | 35 | 7.61 | ±16.34 | |
| Financial_difficulties | SLN | 112 | 13.98 | ±28.17 | 0.951 |
| | SLN+LND | 39 | 13.67 | ±25.03 | |
| Financial difficulties 1m | SLN | 106 | 14.77 | ±27.63 | 0.651 |
| | SLN+LND | 39 | 17.09 | ±26.34 | |
| Financial difficulties 6m | SLN | 98 | 13.94 | ±33.13 | 0.847 |
| | SLN+LND | 34 | 12.74 | ±24.63 | |
| Financial difficulties 12m | SLN | 98 | 7.48 | ±18.86 | 0.647 |
| | SLN+LND | 34 | 5.88 | ±12.89 | |

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4 SLN: sentinel lymph node biopsy; LND: lymphadenectomy.