Supplementary file 3 – Expected complication rates in case (part of) LND was omitted

Estimated complication rates in case (part of) LND omitted. Participants were asked if they expected a change in complications in case only thoracic or abdominal LND was performed or LND was omitted. If no change was expected the standard complication rate based on literature was used to calculate the expected complication rate. The standard complication rate given was 18.5% for anastomotic leakage[1], 7.6% for chyle leakage[1], 43.8% for pneumonia[1], 0.5% for tracheal injury[2], 6.5% for laryngeal nerve paresis[3], 2.5% for post-operative bleeding[3], 3 (1-134) days for length of stay ICU[1], 13 (5 – 148) length of stay hospital (including ICU) [1] and 7.10% for mortality[1].

<table>
<thead>
<tr>
<th></th>
<th>Thoracic LND, median (IQR)</th>
<th>Abdominal LND, median (IQR)</th>
<th>No LND, median (IQR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of patients experiencing anastomotic leakage</td>
<td>18.5% (18.5-18.5)</td>
<td>18.5% (18.5-18.5)</td>
<td>18.5% (16.6-18.5)</td>
</tr>
<tr>
<td>Percentage of patients experiencing chyle leakage</td>
<td>7.6% (7.6-7.6)</td>
<td>2.9% (1.2-7.6)</td>
<td>2.1% (0.5-4.0)</td>
</tr>
<tr>
<td>Percentage of patients experiencing pneumonia</td>
<td>43.8% (43.8-43.8)</td>
<td>35.5% (25.0-43.8)</td>
<td>30.2% (20.0-43.8)</td>
</tr>
<tr>
<td>Percentage of patients experiencing tracheal injury</td>
<td>0.5% (0.5-0.5)</td>
<td>0.5% (0.2-0.5)</td>
<td>0.4% (0.1-0.5)</td>
</tr>
<tr>
<td>Percentage of patients experiencing laryngeal nerve paresis</td>
<td>6.5% (6.5-6.5)</td>
<td>4.0% (1.0-6.5)</td>
<td>2.8% (1-6.5)</td>
</tr>
<tr>
<td>Percentage of patients experiencing postoperative bleeding</td>
<td>2.5% (2.0-2.5)</td>
<td>2.5% (1.5-2.5)</td>
<td>2.4% (1.0-2.5)</td>
</tr>
<tr>
<td>Total length of stay • days on ICU</td>
<td>13 (13-13)</td>
<td>13 (11-13)</td>
<td>13 (10-13)</td>
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<tr>
<td>• days on ICU</td>
<td>3 (3-3)</td>
<td>3 (2-3)</td>
<td>3 (2-3)</td>
</tr>
<tr>
<td>Percentage of deaths 90-days postoperative</td>
<td>7.1% (7.1-7.1)</td>
<td>7.1% (5.1-7.1)</td>
<td>7.1% (4.9-7.1)</td>
</tr>
<tr>
<td>Reduction in procedure time</td>
<td>30 min (30-50)</td>
<td>40 min (30-60)</td>
<td>60 min (50-100)</td>
</tr>
</tbody>
</table>

References: