### On-line Table 1: Morphology and location of superior cervical ganglion

<table>
<thead>
<tr>
<th>Side, Parameter</th>
<th>Mean</th>
<th>Right vs Left</th>
<th>vs RPLN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right (n = 50)a</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length (mm)</td>
<td>29.3 ± 8.0</td>
<td>.671</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Mediolateral width (mm)</td>
<td>7.3 ± 1.9</td>
<td>.154</td>
<td>.545</td>
</tr>
<tr>
<td>Anteroposterior width (mm)</td>
<td>7.5 ± 1.9</td>
<td>.785</td>
<td>.009</td>
</tr>
<tr>
<td>Volume (mm³)</td>
<td>566.8 ± 241.6</td>
<td>.223</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Vertebral level of superior pole</td>
<td>3.2 (C1) ± 1.2</td>
<td>.207</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Vertebral level of the center</td>
<td>5.7 (C2) ± 1.3</td>
<td>.529</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Vertebral level of inferior pole</td>
<td>8.2 (C3) ± 1.8</td>
<td>.969</td>
<td>&lt;.001</td>
</tr>
<tr>
<td>Vertebral level of right CCAB</td>
<td>10.3 (C4) ± 1.6</td>
<td>.217</td>
<td></td>
</tr>
<tr>
<td>Distance between inferior pole and CCAB (mm)</td>
<td>11.1 ± 9.7</td>
<td>.224</td>
<td></td>
</tr>
</tbody>
</table>

| Left (n = 50)b                               |              |               |         |
| Length (mm)                                  | 29.9 ± 8.5   | <.001         |         |
| Mediolateral width (mm)                      | 7.6 ± 2.0    | .326          |         |
| Anteroposterior width (mm)                   | 7.5 ± 1.9    | <.001         |         |
| Volume (mm³)                                 | 593.2 ± 236.1| <.001        |         |
| Vertebral level of superior pole             | 3.4 (C2) ± 1 | <.001         |         |
| Vertebral level of the center                | 5.8 (C2) ± 1 | <.001         |         |
| Vertebral level of inferior pole             | 8.2 (C3) ± 1.5| <.001      |         |
| Vertebral level of left CCAB                 | 10.2 (C4) ± 1.6| .217     |         |
| Distance between inferior pole and CCAB (mm) | 10.1 (C4) ± 9.2| .224     |         |

*a Location of the ICA, anteromedial = 36 (72.0%), medial = 11 (22.0%), posterolateral = 2 (4.0%), posteromedial = 1 (2.0%).

b Location of the ICA, anteromedial = 41 (82.0%), medial = 5 (10.0%), posterolateral = 4 (8.0%).

### On-line Table 2: Morphology and location of retropharyngeal lymph node

<table>
<thead>
<tr>
<th>Side, Parameter</th>
<th>Mean</th>
<th>Right vs Left</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right (n = 52)a</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length (mm)</td>
<td>16.2 ± 6.4</td>
<td>.470</td>
</tr>
<tr>
<td>Mediolateral width (mm)</td>
<td>7.1 ± 2.3</td>
<td>.703</td>
</tr>
<tr>
<td>Anteroposterior width (mm)</td>
<td>6.5 ± 1.6</td>
<td>.248</td>
</tr>
<tr>
<td>Volume (mm³)</td>
<td>337.5 ± 245.1</td>
<td>.543</td>
</tr>
<tr>
<td>Vertebral level of superior pole</td>
<td>1.1 (C1) ± 1.1</td>
<td>.107</td>
</tr>
<tr>
<td>Vertebral level of the center</td>
<td>1.9 (C1) ± 1</td>
<td>.175</td>
</tr>
<tr>
<td>Vertebral level of inferior pole</td>
<td>2.8 (C1) ± 1.2</td>
<td>.373</td>
</tr>
</tbody>
</table>

| Left (n = 52)b                               |              |               |
| Length (mm)                                  | 15.3 ± 5.9   |               |
| Mediolateral width (mm)                      | 7.2 ± 1.9    |               |
| Anteroposterior width (mm)                   | 6.1 ± 1.3    |               |
| Volume (mm³)                                 | 307.5 ± 260.1|               |
| Vertebral level of superior pole             | 1.4 (C1) ± 1.2|               |
| Vertebral level of the center                | 2.2 (C1) ± 1.1|               |
| Vertebral level of inferior level             | 3 (C1) ± 1.3 |               |

*a Location of the SCG in overlapping lymph nodes, anteromedial = 16 (30.8%).

b Location of the SCG in overlapping lymph nodes, anteromedial = 15 (28.8%).
### On-line Table 3: Morphology and location of inferior ganglion of vagus nerve

<table>
<thead>
<tr>
<th>Side, Morphology</th>
<th>Mean</th>
<th>Right vs Left</th>
<th>vs SCG</th>
<th>vs RPLN</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Right</strong> (n = 50)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length (mm)</td>
<td>13.4 ± 4.3</td>
<td>.271</td>
<td>&lt; .001</td>
<td>.012</td>
</tr>
<tr>
<td>Mediolateral width (mm)</td>
<td>4.9 ± 1.5</td>
<td>.083</td>
<td>&lt; .001</td>
<td>&lt; .001</td>
</tr>
<tr>
<td>Anteroposterior width (mm)</td>
<td>5.4 ± 1.8</td>
<td>.13</td>
<td>&lt; .001</td>
<td>.002</td>
</tr>
<tr>
<td>Volume (mm³)</td>
<td>219.6 ± 146.4</td>
<td>.806</td>
<td>&lt; .001</td>
<td>.004</td>
</tr>
<tr>
<td>Vertebral level of superior pole</td>
<td>1.5 (C1) ± 1.2</td>
<td>.481</td>
<td>&lt; .001</td>
<td>.062</td>
</tr>
<tr>
<td>Vertebral level of the center</td>
<td>2.8 (C1) ± 1.3</td>
<td>.455</td>
<td>&lt; .001</td>
<td>.001</td>
</tr>
<tr>
<td>Vertebral level of inferior pole</td>
<td>4.0 (C2) ± 1.5</td>
<td>.425</td>
<td>&lt; .001</td>
<td>&lt; .001</td>
</tr>
<tr>
<td><strong>Left</strong> (n = 50)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length (mm)</td>
<td>14.1 ± 6.2</td>
<td>&lt; .001</td>
<td>336</td>
<td></td>
</tr>
<tr>
<td>Mediolateral width (mm)</td>
<td>4.8 ± 1.3</td>
<td>&lt; .001</td>
<td>&lt; .001</td>
<td></td>
</tr>
<tr>
<td>Anteroposterior width (mm)</td>
<td>5.2 ± 1.8</td>
<td>&lt; .001</td>
<td>.003</td>
<td></td>
</tr>
<tr>
<td>Volume (mm³)</td>
<td>208.7 ± 130.1</td>
<td>&lt; .001</td>
<td>.018</td>
<td></td>
</tr>
<tr>
<td>Vertebral level of superior pole</td>
<td>1.5 (C1) ± 1.2</td>
<td>&lt; .001</td>
<td>986</td>
<td></td>
</tr>
<tr>
<td>Vertebral level of the center</td>
<td>2.8 (C1) ± 1.2</td>
<td>&lt; .001</td>
<td>.046</td>
<td></td>
</tr>
<tr>
<td>Vertebral level of inferior pole</td>
<td>4.1 (C2) ± 1.5</td>
<td>&lt; .001</td>
<td>.001</td>
<td></td>
</tr>
</tbody>
</table>

*a Location of the SCG in overlapping RPLNs, posterolateral = 40 (100%); location of the SCG overlapping IGVNs, posterolateral = 25 (50%), lateral = 16 (32%)

*b Location of the SCG in overlapping RPLNs, posterolateral = 40 (100%); location of the SCG in overlapping IGVNs, lateral = 25 (50%), posterolateral = 13 (26%)

### On-line Table 4: Volume of tissue that may contain superior cervical ganglia

<table>
<thead>
<tr>
<th>Side, Existence Probability (%)</th>
<th>Fig 6A (mm³)</th>
<th>Fig 6B (mm³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;0%</td>
<td>13,540.8</td>
<td>14,607.7</td>
</tr>
<tr>
<td>&gt;10%</td>
<td>1541.5</td>
<td>1425.1</td>
</tr>
<tr>
<td>&gt;20%</td>
<td>411.8</td>
<td>391.3</td>
</tr>
<tr>
<td>&gt;30%</td>
<td>70.1</td>
<td>57.5</td>
</tr>
<tr>
<td>&gt;40%</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Left</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&gt;0%</td>
<td>13,855.4</td>
<td>14,568.7</td>
</tr>
<tr>
<td>&gt;10%</td>
<td>1599.0</td>
<td>1513.7</td>
</tr>
<tr>
<td>&gt;20%</td>
<td>429.0</td>
<td>542.0</td>
</tr>
<tr>
<td>&gt;30%</td>
<td>116.3</td>
<td>164.6</td>
</tr>
<tr>
<td>&gt;40%</td>
<td>4.0</td>
<td>4.0</td>
</tr>
</tbody>
</table>