Distance from the vocal cord level to outlet of the cricoid ring (VC-CO) mm.

<table>
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<th>0</th>
<th>1d</th>
<th>2d</th>
<th>3d</th>
<th>3w</th>
<th>5w</th>
<th>5w</th>
<th>6w</th>
<th>1m</th>
<th>2m</th>
<th>2.5m</th>
<th>3m</th>
<th>3m</th>
<th>4m</th>
<th>4m</th>
<th>5m</th>
<th>6mo</th>
<th>10m</th>
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<td>10.0</td>
<td>10.4</td>
<td>10.2</td>
<td>11.4</td>
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<td>10.4</td>
<td>10.3</td>
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<td>12.6</td>
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<td>11.2</td>
<td>10.3</td>
<td>12.9</td>
<td>10.7</td>
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</tbody>
</table>

Microcuff™ tubes are recommended for age 0 – 8 months:
3.0 mm ID, 4.3 mm OD, deflated cuff: **5.6 mm OD**

N= 19, mean 0 -10 mo = 10.87 mm

The cuff-free distance of the Microcuff™ tube is too short for the infant larynx. The superior part of the cuff is always within the outlet of the cricoid ring.

*36 weeks gestation at birth + 4 weeks after birth

**Supplemental Figure 3**
The distance from the vocal cords to the cricoid outlet (VC-CO) is presented for 19 infants, newborns to 10 months of age. The cuff-free distance of the Microcuff™ for this age (10 mm) compared with autopsy specimens clearly demonstrates the proximal cuff to be within the outlet of the cricoid ring in all cases except in one former preterm infant. This situation is illustrated in the larynx of a three-week-old neonate.