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| **Table 2 Topographical and Fiberoptically Measured Values** |
|  |  | Women (n=50) |  | Men (n=50) |  | p value |
| Topographical (cm) |  |  |  |  |  |  |
| Corner of mouth - Mandibular Angle (cm) | 7.7 ± .9 |  | 8.3 ± .8 |  | <0.001\* |
| Mandibular Angle- Manubrium Center at Sternal Notch (cm) in neutral position |  | 12.6 ± 1.7 |  | 13.0 ± 1.6 |  | 0.4 |
| Total Topographical Distance1 (cm) |  | 20.3 ± 1.8 |  | 21.3 ± 1.6 |  | 0.01\* |
|  |  |  |  |  |  |  |
| Fiberoptic (cm) |  |  |  |  |  |  |
| Vocal cords to gum line at incisors |  | 12.4 ± 1.6 |  | 14.9 ± 1.6 |  | <0.001\* |
| Vocal cords to carina  |  | 11.5 ± 2.0 |  | 10.8 ± 2.0  |  | 0.09 |
| Top of ETT cuff to vocal cords after ideal placement2  |   | 1.4 ± 0.5 |   | 1.4 ± .490 |   | 0.78 |
| Results are expressed as mean ± SD, **ETT**= Endotracheal Tube, **1**= Summation of Distance from Corner of Mouth to mandibular angle and mandibular angle to sternal notch, **2**= Ideal Tube position = 4 cm from carina  |