|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Side** |  | **CSA1(anterior)** | **CSA2 (middle)** | **CSA3(posterior)** | **Nasal volumes** |
| **PRE** | **POST** | **p** | **PRE** | **POST** | **p** | **PRE** | **POST** | **p** | **PRE** | **POST** | **p** |
| BD  | Cleft | Mean | 0,25 ‡\* | 0,44 | < 0.001 | 0,62 ‡\* | 1,09 | < 0.001 | 0,93 ‡\* | 1,63 | < 0.001 | 3,72 ‡\* | 5,68 | < 0.001 |
| SD | 0,13 | 0,14 |  | 0,35 | 0,32 |  | 0,63 | 0,43 |  | 1,54 | 1,20 |  |
| % ∆ |  | 43,5% |  |  | 43,0% |  |  | 42,9% |  |  | 34,5% |  |
| Non-cleft | Mean | 0,46 | 0,50 | 0.302 | 0,96 ‡ | 1,20 | 0.026 | 1,41 | 1,67 | 0.079 | 5,29 ‡ | 6,12 | 0.049 |
| SD | 0,14 | 0,15 |  | 0,28 | 0,48 |  | 0,41 | 0,67 |  | 1,18 | 1,91 |  |
| % ∆ |  | 7,7% |  |  | 19,7% |  |  | 15,5% |  |  | 13,6% |  |
| AD  | Cleft | Mean | 0,42 ‡\* | 0,66 | < 0.001 | 1,15 ‡ | 1,88 | < 0.001 | 1,64 ‡ | 2,97 | < 0.001 | 5,64 ‡\* | 9,15 | < 0.001 |
| SD | 0,16 | 0,20 |  | 0,46 | 0,62 |  | 0,80 | 0,97 |  | 1,87 | 2,54 |  |
| % ∆ |  | 37,0% |  |  | 38,6% |  |  | 44,8% |  |  | 38,3% |  |
| Non-cleft | Mean | 0,63 | 0,71 | 0.056 | 1,33 ‡ | 2,01 | < 0.001 | 1,81 ‡ | 2,82 | < 0.001 | 6,81 ‡ | 9,23 | < 0.001 |
| SD | 0,18 | 0,17 |  | 0,46 | 0,68 |  | 0,56 | 0,98 |  | 1,67 | 2,47 |  |
| % ∆ |  | 12,3% |  |  | 33,9% |  |  | 35,9% |  |  | 26,3% |  |
| ‡: p <0.05 statistically significant difference (Pre-operative vs Post-operative)\*: P <0.05 statistically significant difference (Cleft vs Non-cleft) BD: Before nasal decongestion; AD: After nasal decongestion |

**Supplemental Table 1: Acoustic rhinometry results (Nasal cross-sectional areas and Nasal Volumes)**