**Supplementary Table.** Descriptive statistics on the results of air-conduction thresholds preoperatively and at 1, 6, 12, and 24 months postoperatively

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | Frequency [Hz] | | | | | | | | | | |
| Electrode type | Period |  | 125 | 250 | 500 | 750 | 1000 | 1500 | 2000 | 3000 | 4000 | 6000 | 8000 |
| Med-EL Flex20 | Pre-op | M | 19.2 | 17.9 | 22.9 | 27.1 | 52.1 | 77.5 | 90.8 | 99.2 | 99.2 | 96.0 | 92.9 |
| SD | 8.7 | 8.9 | 7.8 | 16.1 | 19.8 | 14.3 | 14.2 | 11.0 | 10.4 | 5.8 | 4.0 |
| Me | 17.5 | 17.5 | 22.5 | 35.0 | 47.5 | 73.8 | 87.5 | 96.3 | 100.0 | 100.0 | 95.0 |
| Q1 | 13.8 | 10.0 | 20.0 | 31.9 | 40.0 | 70.0 | 83.8 | 91.3 | 90.0 | 94.4 | 93.8 |
| Q3 | 26.3 | 21.3 | 30.0 | 45.0 | 60.0 | 79.4 | 9.8 | 108.8 | 106.3 | 100.0 | 95.0 |
| Activation | M | 25.0 | 26.3 | 36.3 | 60.8 | 72.1 | 92.9 | 99.2 | 104.4 | 107.1 | 99.6 | 94.6 |
| SD | 12.6 | 12.3 | 12.5 | 21.3 | 21.9 | 9.2 | 7.9 | 10.6 | 10.1 | 1.4 | 1.4 |
| Me | 20.0 | 25.0 | 35.0 | 62.5 | 77.5 | 90.0 | 100.0 | 107.5 | 110.0 | 100.0 | 95.0 |
| Q1 | 15.0 | 20.0 | 30.0 | 53.8 | 67.5 | 88.8 | 95.0 | 98.1 | 100.0 | 100.0 | 95.0 |
| Q3 | 30.0 | 26.3 | 41.3 | 70.0 | 80.0 | 101.3 | 105.0 | 110.0 | 115.0 | 100.0 | 95.0 |
| Post-op  6 months | M | 24.6 | 27.5 | 38.3 | 65.0 | 78.8 | 94.6 | 99.6 | 105.4 | 105.8 | 97.9 | 94.6 |
| SD | 16.2 | 17.1 | 18.0 | 17.3 | 9.3 | 7.2 | 8.9 | 12.1 | 10.2 | 5.0 | 1.4 |
| Me | 20.0 | 20.0 | 37.5 | 62.5 | 80.0 | 95.0 | 100.0 | 105.0 | 110.0 | 100.0 | 95.0 |
| Q1 | 15.0 | 20.0 | 30.0 | 60.0 | 70.0 | 90.0 | 93.8 | 95.0 | 95.0 | 100.0 | 95.0 |
| Q3 | 30.0 | 33.8 | 46.3 | 76.3 | 81.3 | 100.0 | 102.5 | 116.3 | 115.0 | 100.0 | 95.0 |
| Post-op  12 months  post-op | M | 27.1 | 30.8 | 42.9 | 68.8 | 84.2 | 97.9 | 100.4 | 105.0 | 107.9 | 99.2 | 94.6 |
| SD | 19.6 | 20.3 | 24.2 | 21.1 | 11.8 | 11.0 | 10.8 | 11.7 | 9.4 | 2.9 | 1.4 |
| Me | 20.0 | 27.5 | 40.0 | 67.5 | 82.5 | 95.0 | 100.0 | 102.5 | 115.0 | 100.0 | 95.0 |
| Q1 | 15.0 | 18.8 | 28.8 | 60.0 | 80.0 | 90.0 | 93.8 | 100.0 | 100.0 | 100.0 | 95.0 |
| Q3 | 35.0 | 35.0 | 55.0 | 81.3 | 86.3 | 106.3 | 105.0 | 115.0 | 115.0 | 100.0 | 95.0 |
| Post-op  24 months | M | 32.9 | 39.2 | 48.8 | 72.1 | 87.1 | 102.1 | 105.4 | 107.1 | 107.9 | 99.2 | 94.6 |
| SD | 22.2 | 25.7 | 30.5 | 23.7 | 15.6 | 12.7 | 9.9 | 12.0 | 8.9 | 2.9 | 1.4 |
| Me | 27.5 | 30.0 | 40.0 | 70.0 | 85.0 | 102.5 | 105.0 | 105.0 | 112.5 | 100.0 | 95.0 |
| Q1 | 15.0 | 18.8 | 28.8 | 60.0 | 80.0 | 92.5 | 100.0 | 100.0 | 103.8 | 100.0 | 95.0 |
| Q3 | 45.0 | 66.3 | 75.0 | 86.3 | 96.3 | 110.0 | 110.0 | 120.0 | 115.0 | 100.0 | 95.0 |
| Med-EL Flex24 | Pre-op | M | 18.2 | 18.2 | 25.9 | 55.7 | 69.1 | 83.4 | 95.9 | 98.2 | 98.2 | 94.5 | 90.9 |
| SD | 7.5 | 7.2 | 8.3 | 20.8 | 20.7 | 18.9 | 15.5 | 17.2 | 16.5 | 11.5 | 9.2 |
| Me | 15.0 | 20.0 | 30.0 | 60.0 | 70.0 | 80.0 | 90.0 | 92.5 | 95.0 | 100.0 | 95.0 |
| Q1 | 15.0 | 12.5 | 27.5 | 42.5 | 57.5 | 72.5 | 85.0 | 87.5 | 90.0 | 95.0 | 95.0 |
| Q3 | 25.0 | 20.0 | 30.0 | 72.5 | 77.5 | 92.5 | 110.0 | 115.0 | 115.0 | 100.0 | 95.0 |
| Activation | M | 28.2 | 35.0 | 54.1 | 78.6 | 89.5 | 98.4 | 101.4 | 109.5 | 104.5 | 98.6 | 93.2 |
| SD | 16.6 | 16.9 | 15.3 | 11.6 | 12.5 | 9.2 | 8.7 | 11.9 | 13.5 | 4.5 | 4.6 |
| Me | 20.0 | 30.0 | 50.0 | 80.0 | 90.0 | 97.5 | 105.0 | 110.0 | 110.0 | 100.0 | 95.0 |
| Q1 | 17.5 | 22.5 | 45.0 | 70.0 | 80.0 | 90.0 | 95.0 | 107.5 | 100.0 | 100.0 | 95.0 |
| Q3 | 35.0 | 42.5 | 60.0 | 87.5 | 100.0 | 105.0 | 107.5 | 120.0 | 115.0 | 100.0 | 95.0 |
| Post-op  6 months | M | 26.8 | 32.7 | 53.6 | 78.4 | 88.6 | 99.5 | 101.4 | 105.5 | 105.5 | 97.3 | 92.3 |
| SD | 14.0 | 16.0 | 12.9 | 9.6 | 7.8 | 11.9 | 11.4 | 11.5 | 12.5 | 6.5 | 6.5 |
| Me | 25.0 | 35.0 | 50.0 | 75.0 | 85.0 | 100.0 | 100.0 | 110.0 | 110.0 | 100.0 | 95.0 |
| Q1 | 15.0 | 22.5 | 47.5 | 73.8 | 82.5 | 90.0 | 92.5 | 102.5 | 100.0 | 100.0 | 95.0 |
| Q3 | 32.5 | 37.5 | 57.5 | 87.5 | 95.0 | 107.5 | 110.0 | 110.0 | 115.0 | 100.0 | 95.0 |
| Post-op  12 months  post-op | M | 28.2 | 35.5 | 56.4 | 79.3 | 88.6 | 104.1 | 104.1 | 108.6 | 106.4 | 96.4 | 91.4 |
| SD | 19.1 | 22.7 | 15.3 | 14.2 | 11.9 | 13.6 | 10.9 | 13.6 | 12.5 | 8.4 | 8.1 |
| Me | 20.0 | 30.0 | 50.0 | 75.0 | 85.0 | 100.0 | 105.0 | 110.0 | 115.0 | 100.0 | 95.0 |
| Q1 | 15.0 | 20.0 | 47.5 | 72.5 | 82.5 | 95.0 | 95.0 | 110.0 | 100.0 | 100.0 | 95.0 |
| Q3 | 42.5 | 47.5 | 67.5 | 92.5 | 100.0 | 115.0 | 115.0 | 117.5 | 115.0 | 100.0 | 95.0 |
| Post-op  24 months | M | 27.7 | 36.4 | 63.6 | 85.5 | 91.8 | 101.4 | 103.6 | 108.6 | 106.4 | 98.2 | 91.8 |
| SD | 18.6 | 22.4 | 15.7 | 13.5 | 15.2 | 15.8 | 13.4 | 13.2 | 13.2 | 3.4 | 7.2 |
| Me | 20.0 | 25.0 | 60.0 | 85.0 | 90.0 | 100.0 | 105.0 | 115.0 | 115.0 | 100.0 | 95.0 |
| Q1 | 15.0 | 20.0 | 55.0 | 75.0 | 80.0 | 90.0 | 95.0 | 102.5 | 102.5 | 97.5 | 95.0 |
| Q3 | 40.0 | 50.0 | 77.5 | 95.0 | 102.5 | 117.5 | 115.0 | 117.5 | 115.0 | 100.0 | 95.0 |