Appendix 1. Cerebral blood flow index stratified by cervical collar application

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|  | Cerebral Flow Index stratified by cervical collar application |
| Subject # |  Collar | Head of Bed | Mean CBFI | SD | 95% CI | p value |
| 1 | + | < 30◦ | 84.4 | ±6.0 | 81.7 to 87.2 | 0.60 |
| - | 85.5 | ±4.9 | 82.7 to 83.3 |
| + | ≥ 30◦ | 72.1 | ±4.2 | 70.1 to 74.0 | 0.0001 |
| - | 70.3 | ±2.7 | 68.8 to 71.8 |
| 2 | + | < 30◦ | 81.0 | ±8.4 | 77.1 to 84.9 | 0.92 |
| - | 81.3 | ±7.8 | 77.7 to 84.9 |
| + | ≥ 30◦ | 77.3 | ±4.3 | 74.8 to 79.7 | 0.03 |
| - | 76.2 | ±3.9 | 74.4 to 78.0 |
| 3 | + | < 30◦ | 58.5 | ±2.2 | 57.3 to 59.7 | 0.0001 |
| - | 68.2 | ±3.4 | 65.4 to 70.9 |
| + | ≥ 30◦ | 57.9 | ±2.7 | 56.7 to 59.2 | 0.02 |
| - | 52.9 | ±10 | 48.8 to 57.0 |
| 4 | + | < 30◦ | 79.5 | ±4.6 | 75.8 to 83.2 | 0.01 |
| - | 71.5 | ±4.2 | 68.1 to 74.9 |
| + | ≥ 30◦ | 70.6 | ±5.7 | 68.0 to 73.2 | 0.0001 |
| - | 65.8 | ±3.1 | 64.6 to 67.1 |
| 5 | + | < 30◦ | 61.5 | ±7.5 | 57.2 to 65.8 | 0.14 |
| - | 57.8 | ±3.6 | 55.8 to 59.9 |
| + | ≥ 30◦ | 61.5 | ±7.5 | 57.2 to 65.8 | 0.001 |
| - | 70.3 | ±4.2 | 68.3 to 72.2 |