Supplemental Material to the article „Extended Neuromonitoring in Aortic Arch Surgery: A Case Series. Thudium, M.; Kornilov, E.; Hilbert, T et al. (2021) in Der Anaesthesist. Article and supplementary material are available at www.springermedizin.de. Please enter the article title in the search there.

| Table | Intraoperative Measurements |
|-------|-----------------------------|
|       | Patient number | before CPB | CPB | SACP |
| rSO₂ right-sided (%) | 1 | 75.6 | 77.5 | 70.8 |
|       | 2 | 66 | 72.7 | 44 |
|       | 3 | 69 | 77.3 | 70.5 |
|       | 4 | 79 | 79.5 | 95 |
|       | 5 | 52 | 72 | 63 |
|       | 6 | 77 | 81 | 61.8 |
| rSO₂ left-sided (%) | 1 | 73.8 | 77.3 | 71.2 |
|       | 2 | 66 | 73.7 | 59 |
|       | 3 | 72 | 83.3 | 63.8 |
|       | 4 | 83 | 85 | 92 |
|       | 5 | 52 | 77 | 61 |
|       | 6 | 87 | 89 | 76.3 |
| MCAV right-sided (cm/s) | 1 | 18.4 | 24 | 21.4 |
|       | 2 | 42 | 42.1 | 15.3 |
|       | 3 | 64 | 45.5 | 34.7 |
|       | 4 | 32 | 33.7 | 36.7 |
|       | 5 | 31.1 | 61.2 | 28.7 |
|       | 6 | 39 | 38 | 12.8 |
| MCAV left-sided (cm/s) | 1 | 21.3 | 21.2 | 16.2 |
|       | 2 | 36 | 50.5 | 29 |
|       | 3 | 43.5 | 44.1 | 24.1 |
|       | 4 | 34.2 | 26 | 16 |
|       | 5 | 82 | 42.8 | 41.1 |
|       | 6 | 23 | 20 | 11.3 |
| BIS | 1 | 37 | 34 | 2 |
|       | 2 | 36 | 19 | 0 |
|       | 3 | 40 | 35 | 18 |
|       | 4 | 35 | 40 | 16 |
|       | 5 | 40 | 40 | 3 |
|       | 6 | 40 | 20 | 6 |

Data presented as median

- CPB: cardiopulmonary bypass
- SACP: selective antegrade cerebral perfusion
- NIRS: Near infrared spectroscopy
- MCAV: Middle Cerebral Artery mean flow velocity
- BIS: Bispectral Index