**Supplemental Table 1. Cerebral and renal rSO2 and FTOE in the entire study group**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Cerebral rSO2 (%)** | **Cerebral FTOE** | **Renal rSO2 (%)** | **Renal FTOE** |
| *Day 1* | 67 (61-77) | 0.28 (0.20-0.34) | 72 (62-83) | 0.21 (0.16-0.31) |
| *Day 2* | 70 (64-81) | 0.26 (0.15-0.31) | 65 (62-76) | 0.31 (0.18-0.34) |
| *Day 3* | 72 (64-77) | 0.23 (0.20-0.33) | 64 (54-83) | 0.31 (0.13-0.39) |

Values are displayed as median (IQR). rSO2, regional tissue oxygen saturation; FTOE, fractional tissue oxygen extraction.

**Supplemental Table 2. Cerebral and renal rSO2 and FTOE in the subgroups**

|  |  |  |
| --- | --- | --- |
|  | **Antegrade blood flow** | **Retrograde blood flow** |
|  | Cerebral | Renal | Cerebral | Renal |
|  | *rSO2 (%)* | *FTOE* | *rSO2 (%)* | *FTOE* | *rSO2 (%)* | *FTOE* | *rSO2 (%)* | *FTOE* |
| *Day 1* | 70 (65-79) | 0.25 (0.13-0.33) | 67 (60-80) | 0.27 (0.19-0.38) | 62 (57-69) | 0.33 (0.26-0.38) | 77 (72-84) | 0.20 (0.09-0.21) |
| *Day 2* | 71 (65-82) | 0.23 (0.12-0.31) | 65(62-81) | 0.31(0.18-0.35) | 67 (64-75) | 0.27(0.17-0.32) | 68(62-76) | 0.28 (0.18-0.34) |
| *Day 3* | 74 (64-79) | 0.21 (0.14-0.34) | 64 (54-84) | 0.320.13-0.39) | 69 (64-75) | 0.24 (0.23-0.31) | 64 (56-79) | 0.29 (0.16-0.42) |
|  | **Diastolic backflow absent** | **Diastolic backflow present** |
|  | Cerebral | Renal | Cerebral | Renal |
|  | *rSO2 (%)* | *FTOE* | *rSO2 (%)* | *FTOE* | *rSO2 (%)* | *FTOE* | *rSO2 (%)* | *FTOE* |
| *Day 1* | 70(59-85) | 0.25(0.08-0.35) | 68(53-80) | 0.24(0.17-0.31) | 62(58-70) | 0.34(0.27-0.38) | 77(68-86) | 0.18(0.02-0.25) |
| *Day 2* | 76(62-84) | 0.20(0.11-0.34) | 65(63-82) | 0.31(0.17-0.33) | 65(63-70) | 0.30(0.27-0.32) | 64(59-77) | 0.29(0.18-0.35) |
| *Day 3* | 70(63-81) | 0.27(0.14-0.35) | 64(60-84) | 0.32(0.13-0.37) | 70(62-73) | 0.24(0.22-0.32) | 68(63-86) | 0.27(0.10-0.32) |

Values are displayed as median (IQR). rSO2, regional tissue oxygen saturation; FTOE, fractional tissue oxygen extraction.