**Supplementary Table**

**Supplementary Table S1.** MCS and UWS patients’ demographic and clinical characteristics. The table includes condition, etiology (traumatic brain injury (TBI) and cerebral vascular accident (CVA)), time science injury (TSI), age, gender (F=female, M=male), Coma Recovery Scale-Revised (CSR-R) auditory, visual, motor, verbal, communication and arousal subscores, total and CSR-R Index.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Patient ID** | **Etiology** | **TSI (Days)** | **Age (Years)** | **Gender** | **Auditory** | **Visual** | **Motor** | **Verbal** | **Communication** | **Arousal** | **Total CSRR** | **CSRR Index** |
| MCS P1 | TBI | 3034 | 34 | F | 3 | 3 | 2 | 2 | 0 | 2 | 12 | 33.0 |
| MCS P2 | TBI | 1294 | 40 | F | 2 | 3 | 2 | 2 | 0 | 2 | 11 | 24.6 |
| MCS P3 | CAV | 13 | 62 | M | 0 | 3 | 2 | 1 | 0 | 1 | 7 | 21.2 |
| MCS P4 | Haemorrhage Stroke | 389 | 59 | F | 2 | 1 | 2 | 1 | 0 | 2 | 8 | 22.5 |
| MCS P5 | TBI | 589 | 30 | M | 3 | 2 | 2 | 2 | 0 | 1 | 10 | 24.3 |
| MCS P6 | TBI | 521 | 28 | M | 1 | 3 | 2 | 2 | 0 | 2 | 10 | 23.6 |
| MCS P7 | TBI | 533 | 47 | M | 3 | 5 | 2 | 1 | 0 | 2 | 13 | 48.6 |
| MCS P8 | CVA | 2639 | 38 | M | 1 | 3 | 2 | 2 | 0 | 1 | 9 | 23.3 |
| MCS P9 | TBI | 2690 | 24 | M | 3 | 3 | 5 | 1 | 0 | 2 | 14 | 48.6 |
| MCS P10 | Anoxia | 9900 | 39 | M | 3 | 3 | 5 | 2 | 0 | 2 | 15 | 49.6 |
| MCS P11 | TBI & Anoxia | 314 | 26 | F | 3 | 1 | 2 | 1 | 0 | 2 | 9 | 15.3 |
| MCS P12 | TBI | 407 | 31 | M | 0 | 1 | 5 | 2 | 0 | 1 | 9 | 15.5 |
| MCS P13 | Anoxia | 64 | 29 | M | 1 | 3 | 2 | 2 | 0 | 2 | 10 | 23.6 |
| MCS P14 | Anoxia | 639 | 43 | M | 2 | 3 | 1 | 2 | 0 | 2 | 10 | 23.6 |
| MCS P15 | TBI | 1241 | 53 | M | 0 | 3 | 2 | 2 | 0 | 2 | 9 | 22.5 |
| MCS P16 | TBI | 135 | 51 | M | 3 | 4 | 2 | 1 | 0 | 2 | 12 | 40.3 |
| MCS P17 | Haemorrhage Stroke | 1383 | 68 | F | 3 | 1 | 3 | 2 | 0 | 2 | 11 | 16.3 |
| MCS P18 | TBI | 1331 | 35 | M | 3 | 0 | 2 | 1 | 0 | 2 | 8 | 14.2 |
| MCS P19 | TBI – Haemorrhage Stroke | 35 | 73 | M | 0 | 2 | 0 | 1 | 0 | 1 | 4 | 10.8 |
| MCS P20 | CVA | 104 | 43 | F | 3 | 1 | 3 | 1 | 0 | 0 | 8 | 14.6 |
| MCS P21 | TBI & Anoxia | 401 | 29 | M | 1 | 3 | 2 | 1 | 0 | 2 | 9 | 22.5 |
| MCS P22 | TBI – Haemorrhage Stroke | 255 | 39 | M | 4 | 5 | 4 | 2 | 1 | 2 | 18 | 66.3 |
| MCS P23 | Anoxia | 1482 | 32 | M | 3 | 4 | 2 | 2 | 1 | 2 | 14 | 41.3 |
| MCS P24 | TBI | 641 | 23 | M | 3 | 3 | 0 | 1 | 0 | 2 | 9 | 29.8 |
| MCS P25 | CVA | 34 | 47 | F | 3 | 4 | 5 | 3 | 2 | 2 | 19 | 66.3 |
| MCS P26 | Anoxia | 7814 | 34 | M | 1 | 3 | 5 | 2 | 0 | 2 | 13 | 48.6 |
| UWS P1 | TBI | 283 | 52 | F | 1 | 0 | 2 | 2 | 0 | 1 | 6 | 5.5 |
| UWS P2 | Anoxia | 743 | 30 | M | 1 | 0 | 2 | 1 | 0 | 2 | 6 | 4.8 |
| UWS P3 | Anoxia | 92 | 74 | M | 1 | 0 | 1 | 1 | 0 | 1 | 4 | 3.5 |
| UWS P4 | Haemorrhage Stroke | 43 | 64 | M | 1 | 0 | 2 | 1 | 0 | 1 | 5 | 4.5 |
| UWS P5 | Anoxia | 18 | 20 | M | 1 | 0 | 0 | 1 | 0 | 1 | 3 | 2.4 |
| UWS P6 | Anoxic Asphyxia | 304 | 60 | F | 1 | 1 | 1 | 1 | 0 | 2 | 6 | 4.8 |
| UWS P7 | Anoxia | 29 | 44 | M | 1 | 0 | 1 | 0 | 0 | 2 | 4 | 2.7 |
| UWS P8 | Anoxia | 38 | 50 | F | 0 | 0 | 0 | 2 | 0 | 1 | 3 | 2.4 |
| UWS P9 | Anoxia | 50 | 69 | F | 0 | 1 | 2 | 1 | 0 | 1 | 5 | 4.5 |
| UWS P10 | Anoxia | 1868 | 21 | F | 1 | 0 | 1 | 2 | 0 | 2 | 6 | 4.8 |
| UWS P11 | Anoxia | 129 | 49 | F | 1 | 0 | 0 | 1 | 0 | 2 | 4 | 2.7 |
| UWS P12 | TBI | 24 | 58 | M | 0 | 1 | 2 | 0 | 0 | 1 | 4 | 4.2 |
| UWS P13 | Anoxia | 30 | 44 | M | 1 | 1 | 1 | 1 | 0 | 1 | 5 | 4.5 |
| UWS P14 | Anoxia | 335 | 40 | F | 1 | 0 | 2 | 1 | 0 | 2 | 6 | 4.8 |