|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Supplementary Table 9: Number of subjects per hematological marker, AIS\* grade and time point in the Murnau study** | | | | |
|  | **AIS A** | **AIS B** | **AIS C** | **AIS D** |
| Erythrocytes | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 69 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 17 | 58 |
| Week 8 | 33 | 10 | 10 | 34 |
| Month 3 | 32 | 9 | 13 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 12 | 3 | 2 | 4 |
| Month 6 | 1 | 2 | 2 | NA |
| Hemoglobin per erythrocyte | | | | |
| Week 0 | 72 | 21 | 26 | 87 |
| Week 1 | 69 | 17 | 25 | 70 |
| Week 2 | 66 | 17 | 19 | 57 |
| Week 4 | 54 | 12 | 14 | 48 |
| Week 8 | 31 | 9 | 8 | 27 |
| Month 3 | 30 | 8 | 11 | 23 |
| Month 4 | 7 | 5 | 1 | 3 |
| Month 5 | 9 | 3 | NA | 3 |
| Month 6 | 1 | 1 | 2 | NA |
| Hematocrit | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 69 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 17 | 58 |
| Week 8 | 33 | 10 | 10 | 34 |
| Month 3 | 32 | 9 | 13 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 12 | 3 | 2 | 4 |
| Month 6 | 1 | 2 | 2 | NA |
| Hemoglobin | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 69 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 17 | 58 |
| Week 8 | 33 | 10 | 10 | 34 |
| Month 3 | 32 | 9 | 13 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 12 | 3 | 2 | 4 |
| Month 6 | 1 | 2 | 2 | NA |
| Leucocytes | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 69 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 17 | 58 |
| Week 8 | 33 | 10 | 10 | 34 |
| Month 3 | 32 | 9 | 13 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 12 | 3 | 2 | 4 |
| Month 6 | 1 | 2 | 2 | NA |
| MCHC | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 69 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 17 | 58 |
| Week 8 | 33 | 10 | 10 | 34 |
| Month 3 | 32 | 9 | 13 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 12 | 3 | 2 | 4 |
| Month 6 | 1 | 2 | 2 | NA |
| MCV | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 69 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 17 | 58 |
| Week 8 | 33 | 10 | 10 | 34 |
| Month 3 | 32 | 9 | 13 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 12 | 3 | 2 | 4 |
| Month 6 | 1 | 2 | 2 | NA |
| Thrombocytes | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 69 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 17 | 58 |
| Week 8 | 33 | 10 | 10 | 34 |
| Month 3 | 32 | 9 | 13 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 12 | 3 | 2 | 4 |
| Month 6 | 1 | 2 | 2 | NA |
| ALAT | | | | |
| Week 0 | 78 | 23 | 29 | 102 |
| Week 1 | 74 | 19 | 27 | 80 |
| Week 2 | 69 | 18 | 23 | 62 |
| Week 4 | 56 | 13 | 16 | 57 |
| Week 8 | 27 | 10 | 9 | 30 |
| Month 3 | 23 | 9 | 11 | 26 |
| Month 4 | 8 | 5 | NA | 3 |
| Month 5 | 9 | 3 | 2 | 2 |
| Month 6 | 1 | 2 | 1 | NA |
| Alkaline phosphatase | | | | |
| Week 0 | 77 | 23 | 29 | 100 |
| Week 1 | 70 | 17 | 21 | 65 |
| Week 2 | 62 | 15 | 20 | 51 |
| Week 4 | 40 | 10 | 12 | 38 |
| Week 8 | 14 | 8 | 6 | 20 |
| Month 3 | 11 | 6 | 4 | 17 |
| Month 4 | 4 | 4 | NA | 2 |
| Month 5 | 6 | 3 | 2 | 1 |
| Month 6 | 1 | 1 | 1 | NA |
| ASAT | | | | |
| Week 0 | 78 | 23 | 29 | 102 |
| Week 1 | 74 | 19 | 27 | 80 |
| Week 2 | 69 | 18 | 23 | 62 |
| Week 4 | 56 | 13 | 16 | 57 |
| Week 8 | 27 | 10 | 9 | 30 |
| Month 3 | 23 | 9 | 11 | 26 |
| Month 4 | 8 | 5 | NA | 3 |
| Month 5 | 9 | 3 | 2 | 2 |
| Month 6 | 1 | 2 | 1 | NA |
| Gamma-GT | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 27 | 78 |
| Week 2 | 69 | 17 | 22 | 61 |
| Week 4 | 56 | 12 | 16 | 54 |
| Week 8 | 25 | 10 | 9 | 30 |
| Month 3 | 22 | 9 | 11 | 26 |
| Month 4 | 8 | 5 | NA | 3 |
| Month 5 | 8 | 3 | 2 | 2 |
| Month 6 | 1 | 2 | 1 | NA |
| Lactate dehydrogenase | | | | |
| Week 0 | 77 | 23 | 29 | 96 |
| Week 1 | 69 | 16 | 20 | 59 |
| Week 2 | 61 | 15 | 19 | 41 |
| Week 4 | 38 | 7 | 10 | 31 |
| Week 8 | 13 | 5 | 6 | 12 |
| Month 3 | 11 | 3 | 3 | 12 |
| Month 4 | 5 | 3 | NA | 2 |
| Month 5 | 7 | 3 | 1 | 1 |
| Month 6 | 1 | 1 | 1 | NA |
| Total bilirubin | | | | |
| Week 0 | 64 | 20 | 24 | 86 |
| Week 1 | 58 | 17 | 19 | 60 |
| Week 2 | 51 | 14 | 19 | 50 |
| Week 4 | 34 | 11 | 11 | 34 |
| Week 8 | 14 | 8 | 6 | 19 |
| Month 3 | 9 | 6 | 5 | 17 |
| Month 4 | 2 | 3 | NA | 2 |
| Month 5 | 4 | 2 | 2 | 1 |
| Month 6 | NA | NA | NA | NA |
| Blood urea nitrogen | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 27 | 79 |
| Week 2 | 70 | 18 | 23 | 62 |
| Week 4 | 58 | 13 | 16 | 57 |
| Week 8 | 29 | 10 | 9 | 30 |
| Month 3 | 23 | 9 | 11 | 26 |
| Month 4 | 8 | 6 | NA | 3 |
| Month 5 | 9 | 3 | 2 | 2 |
| Month 6 | 1 | 2 | 1 | NA |
| Calcium | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 73 | 19 | 28 | 78 |
| Week 2 | 69 | 18 | 23 | 60 |
| Week 4 | 56 | 12 | 14 | 52 |
| Week 8 | 30 | 9 | 9 | 25 |
| Month 3 | 21 | 8 | 9 | 25 |
| Month 4 | 7 | 4 | NA | 3 |
| Month 5 | 9 | 3 | 2 | 2 |
| Month 6 | 1 | 2 | 1 | NA |
| Creatinine | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 80 |
| Week 2 | 70 | 18 | 23 | 63 |
| Week 4 | 58 | 13 | 16 | 57 |
| Week 8 | 29 | 10 | 9 | 30 |
| Month 3 | 23 | 9 | 11 | 26 |
| Month 4 | 6 | 5 | NA | 2 |
| Month 5 | 12 | 6 | 4 | 3 |
| Month 6 | 1 | 2 | 1 | NA |
| Total proteins | | | | |
| Week 0 | 78 | 23 | 29 | 102 |
| Week 1 | 73 | 18 | 26 | 78 |
| Week 2 | 68 | 17 | 23 | 60 |
| Week 4 | 54 | 10 | 13 | 50 |
| Week 8 | 22 | 6 | 9 | 24 |
| Month 3 | 20 | 6 | 8 | 24 |
| Month 4 | 6 | 4 | NA | 3 |
| Month 5 | 8 | 3 | 2 | 1 |
| Month 6 | 1 | 2 | 1 | NA |
| Cholinesterase | | | | |
| Week 0 | 78 | 23 | 29 | 102 |
| Week 1 | 73 | 19 | 26 | 75 |
| Week 2 | 67 | 17 | 22 | 59 |
| Week 4 | 47 | 10 | 14 | 48 |
| Week 8 | 22 | 9 | 8 | 25 |
| Month 3 | 20 | 8 | 9 | 24 |
| Month 4 | 6 | 4 | NA | 3 |
| Month 5 | 7 | 3 | 2 | 2 |
| Month 6 | 1 | 2 | 1 | NA |
| Potassium | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 70 | 19 | 23 | 65 |
| Week 4 | 58 | 13 | 16 | 58 |
| Week 8 | 30 | 10 | 9 | 31 |
| Month 3 | 25 | 9 | 11 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 9 | 3 | 2 | 3 |
| Month 6 | 1 | 2 | 1 | NA |
| Sodium | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 70 | 19 | 23 | 65 |
| Week 4 | 58 | 13 | 16 | 58 |
| Week 8 | 30 | 10 | 9 | 31 |
| Month 3 | 25 | 9 | 11 | 28 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 9 | 3 | 2 | 3 |
| Month 6 | 1 | 2 | 1 | NA |
| Amylase | | | | |
| Week 0 | 77 | 23 | 29 | 94 |
| Week 1 | 66 | 15 | 20 | 49 |
| Week 2 | 52 | 11 | 18 | 29 |
| Week 4 | 23 | 3 | 6 | 15 |
| Week 8 | 1 | 1 | 3 | 2 |
| Month 3 | 3 | 1 | NA | 3 |
| Month 4 | 3 | NA | NA | NA |
| Month 5 | 4 | 1 | NA | NA |
| Month 6 | 1 | NA | 1 | NA |
| Lipase | | | | |
| Week 0 | 77 | 23 | 29 | 96 |
| Week 1 | 69 | 16 | 20 | 59 |
| Week 2 | 57 | 14 | 20 | 40 |
| Week 4 | 31 | 7 | 10 | 27 |
| Week 8 | 11 | 5 | 7 | 11 |
| Month 3 | 11 | 3 | 2 | 10 |
| Month 4 | 4 | 3 | NA | 2 |
| Month 5 | 6 | 2 | 1 | NA |
| Month 6 | 1 | 1 | 1 | NA |
| Glucose | | | | |
| Week 0 | 65 | 20 | 24 | 89 |
| Week 1 | 61 | 16 | 23 | 69 |
| Week 2 | 55 | 16 | 21 | 54 |
| Week 4 | 44 | 6 | 11 | 45 |
| Week 8 | 21 | 6 | 8 | 23 |
| Month 3 | 16 | 5 | 7 | 22 |
| Month 4 | 4 | 2 | NA | 2 |
| Month 5 | 5 | 2 | 2 | NA |
| Month 6 | NA | NA | NA | NA |
| Partial thromboplastin time | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 73 | 19 | 26 | 80 |
| Week 2 | 68 | 18 | 22 | 62 |
| Week 4 | 50 | 13 | 16 | 58 |
| Week 8 | 30 | 11 | 10 | 33 |
| Month 3 | 27 | 9 | 13 | 26 |
| Month 4 | 9 | 5 | 1 | 3 |
| Month 5 | 10 | 3 | 2 | 2 |
| Month 6 | 1 | 1 | 1 | NA |
| CRP | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 74 | 19 | 28 | 82 |
| Week 2 | 70 | 19 | 23 | 65 |
| Week 4 | 59 | 13 | 16 | 58 |
| Week 8 | 29 | 10 | 9 | 32 |
| Month 3 | 25 | 9 | 11 | 27 |
| Month 4 | 8 | 5 | 1 | 3 |
| Month 5 | 9 | 3 | 2 | 3 |
| Month 6 | 1 | 2 | 2 | NA |
| INR | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 73 | 19 | 27 | 80 |
| Week 2 | 68 | 18 | 22 | 62 |
| Week 4 | 50 | 13 | 16 | 58 |
| Week 8 | 30 | 11 | 10 | 33 |
| Month 3 | 27 | 9 | 13 | 26 |
| Month 4 | 9 | 5 | 1 | 3 |
| Month 5 | 10 | 3 | 2 | 2 |
| Month 6 | 1 | 1 | 1 | NA |
| Quick test | | | | |
| Week 0 | 78 | 23 | 29 | 103 |
| Week 1 | 73 | 19 | 27 | 81 |
| Week 2 | 68 | 18 | 22 | 62 |
| Week 4 | 50 | 13 | 16 | 58 |
| Week 8 | 30 | 11 | 10 | 33 |
| Month 3 | 27 | 9 | 13 | 26 |
| Month 4 | 9 | 5 | 1 | 3 |
| Month 5 | 10 | 3 | 2 | 2 |
| Month 6 | 1 | 1 | 1 | NA |

\*ASIA impairment scale: A, no sensory or motor function is preserved; B, sensory function is preserved below the level of the injury, but there is no motor function; C, motor function is preserved below the neurological level, and more than half of the key muscles below the neurological level have a muscle grade of <3; D, motor function is preserved below the neurological level, and at least half of the key muscles below the neurological level have a muscle grade of >3.

**Abbreviations:** CRP: C-reactive protein; Gamma GT: gamma-glutamyl transferase; INR: international normalised ratio; MCHC: mean corpuscular hemoglobin concentration; MCV: mean corpuscular volume; ASAT: aspartate aminotransferase; ALAT: alanine aminotransferase