**Supplementary Table 1.** Clinical characteristics at admission to rehabilitation, median scores (IQR) or frequencies [%], for the three different subgroups (i.e., patients with right-sided brain damage, left-sided brain damage, high motor scores; all without outliers)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Right-sided****brain damage** | **Left-sided****brain damage** | **High motor scores** |
| **Outcome** | ***N1*** | ***Mdn* (IQR)** **or *N* [%]** | ***N1*** | ***Mdn* (IQR)** **or *N* [%]** | ***N1*** | ***Mdn* (IQR)** **or *N* [%]** |
| Age, in years | 231 | 61 (17) | 208 | 60 (14) | 223 | 61 (14) |
| Sex, % male | 231 |  | 208 |  | 223 |  |
| * Male
 |  | 132 [57%] |  | 131 [63%] |  | 126 [57%] |
| * Female
 |  | 99 [43%] |  | 77 [47%] |  | 97 [44%] |
| Level of education (1-7) | 231 | 5 (2) | 208 | 5 (2) | 223 | 5 (2) |
| Days post-stroke2 | 231 | 22 (15) | 208 | 21 (11) | 223 | 20 (12) |
| Delay between neglect screening and neuropsychological assessment | 231 |  | 208 |  | 223 |  |
| * ≤ 1 week
 |  | 150 [65%] |  | 150 [72%] |  | 155 [70%] |
| * > 1 week
 |  | 81 [35%] |  | 58 [28%] |  | 68 [31%] |
| Aetiology  | 231 |  | 208 |  | 223 |  |
| * Ischemic
 |  | 179 [78%] |  | 147 [71%] |  | 171 [77%] |
| * Intracerebral haemorrhage
 |  | 40 [17%] |  | 55 [26%] |  | 41 [18%] |
| * Subarachnoid haemorrhage
 |  | 12 [5%] |  | 6 [3%] |  | 11 [5%] |
| Lesion side | 231 |  | 208 |  | 223 |  |
| * Left
 |  | 0 |  | 208 [100%] |  | 119 [53%] |
| * Right
 |  | 231 [100%] |  | 0 |  | 104 [47%] |
| Stroke history  | 231 |  | 208 |  | 223 |  |
| * First
 |  | 157 [68%] |  | 145 [70%] |  | 175 [78%] |
| * Recurrent
 |  | 24 [10%] |  | 17 [8%] |  | 24 [11%] |
| * Unknown
 |  | 60 [22%] |  | 46 [22%] |  | 24 [11%] |
| MoCA (0-30) | 180 | 23 (2) | 132 | 22 (6) | 191 | 22 (5) |
| SAN (1-7) | 181 | 7 (1) | 167 | 5 (3) | 213 | 6 (2) |
| Motricity Index arm (0-100) | 176 | 76 (61) | 171 | 78 (39) | 223 | 100 (24) |
| Motricity Index leg (0-100) | 175 | 76 (41) | 169 | 83 (43) | 220 | 99 (25) |
| Barthel Index (0-20) | 176 | 13 (8) | 160 | 16 (9) | 201 | 17 (7) |

Abbreviations: MoCA, Montreal Cognitive Assessment; SAN, Stichting Afasie Nederland.

1Group sizes differ since not all clinical data was available for all patients.

2Days post-stroke at the time of the neglect screening.

**Supplementary Table 2.** Mean scores and standard deviations on visual search measures and neuropsychological tests, for the three different subgroups (i.e., patients with right-sided brain damage, left-sided brain damage, high motor scores; all without outliers)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Right-sided****brain damage** | **Left-sided****brain damage** | **High motor scores** |
| **Outcome** | ***N1*** | ***M* (*SD*)** | ***N1*** | ***M* (*SD*)** | ***N1*** | ***M* (*SD*)** |
| Intersections rate | 231 | 0.09 (0.10) | 208 | 0.07 (0.08) | 223 | 0.08 (0.09) |
| Best *r* (0-1) | 231 | 0.78 (0.20) | 208 | 0.83 (0.17) | 223 | 0.79 (0.20) |
| SC omission difference score (0-27) | 231 | 0.74 (1.50) | 208 | 0.49 (1.30) | 223 | 0.65 (1.41) |
| LB – average deviation (0-11°) | 230 | 0.47 (0.48) | 207 | 0.45 (0.42) | 223 | 0.48 (0.45) |
| CBS – total score (0-30) | 191 | 4.96 (6.92) | 184 | 2.63 (4.20) | 195 | 2.72 (4.75) |
| Balloons Test – laterality score (0-50%) | 184 | 45% (6%) | 182 | 48% (3%) | 186 | 47% (5%) |
| RCFT copy – total score (0-36) | 144 | 29.04 (6.30) | 124 | 30.97 (5.90) | 142 | 30.09 (6.44) |
| TMT-A - duration in seconds | 183 | 53 (25) | 125 | 49 (23) | 155 | 51 (25) |
| TMT-B - duration in seconds | 178 | 129 (66) | 112 | 140 (83) | 148 | 135 (75) |
| Tower Test – total score (0-30) | 174 | 14.52 (4.19) | 166 | 14.66 (4.49) | 167 | 15.01 (4.39) |
| Brixton Test – number of errors | 131 | 18.75 (7.05) | 126 | 18.16 (6.54) | 127 | 18.09 (7.19) |
| DSF – longest sequence (2-10) | 157 | 5.32 (1.09) | 101 | 5.27 (1.13) | 126 | 5.17 (1.09) |
| DSB – longest sequence (2-10) | 157 | 3.92 (1.10) | 101 | 3.90 (1.07) | 126 | 3.89 (1.19) |

Abbreviations: CBS, Catherine Bergego Scale; DSB, Digit Span Backward; DSF, Digit Span Forward; LB, line bisection; RCFT, Rey Complex Figure Test; SC, shape cancellation test; TMT, Trail Making Test.

1Group sizes differ between measures since not all patients performed all neuropsychological tests.