

Supplementary Table 3. Factors associated with functional outcomes in the univariate analysis

| Parameters | mRS 0-1 n=670 | mRS 2-6 n=447 | OR | 95% CI | | Pvalue |
|---|---------------|---------------|-------|--------|-------|--------|
| Onset-to-admission time (hour), (mean ± SD) | 30.1 ± 38.0 | 24.9 ± 35.6 | 0.96 | 0.92 | 1.00 | 0.007 |
| Males, n (%) | 227 (50.8) | 220 (49.2) | 0.58 | 0.46 | 0.74 | <0.001 |
| Age (mean ± SD) | 63.1 ± 13.0 | 68.6 ± 13.5 | 1.38 | 1.25 | 1.52 | <0.001 |
| Body mass index (kg/m ²), (mean ± SD) | 24.1 ± 3.2 | 23.1 ± 3.1 | 0.90 | 0.87 | 0.94 | <0.001 |
| High BMI (≥ 25), n (%) | 248 (37.7) | 107 (25.1) | 0.58 | 0.44 | 0.77 | <0.001 |
| Normal BMI (ref.), n (%) | 355 (54.0) | 263 (61.7) | ref. | ref. | ref. | |
| Low BMI (< 20), n (%) | 55 (8.4) | 56 (13.1) | 1.37 | 0.92 | 2.06 | 0.124 |
| Current smokers, n (%) | 215 (32.1) | 121 (27.3) | 0.79 | 0.61 | 1.03 | 0.082 |
| Non-smokers, n (%) | 454 (67.9) | 323 (72.7) | ref. | ref. | ref. | |
| Current smokers, n (%) | 215 (32.1) | 121 (27.3) | 0.79 | 0.61 | 1.04 | 0.097 |
| Former smokers, n (%) | 73 (10.9) | 53 (11.9) | 1.03 | 0.70 | 1.51 | 0.902 |
| Never-smokers, n (%) | 381 (57.0) | 270 (60.8) | ref. | ref. | ref. | |
| Hypertension, n (%) | 402 (60.0) | 291 (65.1) | 1.24 | 0.97 | 1.59 | 0.085 |
| Diabetes mellitus, n (%) | 183 (27.3) | 148 (33.1) | 1.32 | 1.02 | 1.71 | 0.038 |
| Hyperlipidemia, n (%) | 225 (33.6) | 110 (24.6) | 0.65 | 0.49 | 0.84 | 0.001 |
| Atrial fibrillation, n (%) | 100 (15.0) | 132 (29.6) | 2.39 | 1.78 | 3.20 | <0.001 |
| Stroke subtype, n (%) | | | | | | |
| Small vessel disease | 271 (47.8) | 89 (23.7) | ref. | ref. | ref. | |
| Large artery disease | 183 (32.3) | 155 (41.3) | 2.58 | 1.87 | 3.56 | <0.001 |
| Cardioembolism | 113 (19.9) | 131 (34.9) | 3.53 | 2.49 | 5.00 | <0.001 |
| Received tPA thrombolysis, n (%) | 39 (5.8) | 54 (12.1) | 2.22 | 1.45 | 3.42 | <0.001 |
| Initial NIHSS ≤ 1 | 279 (41.6) | 52 (11.6) | ref. | ref. | ref. | |
| 2-3 | 225 (33.6) | 72 (16.1) | 1.72 | 1.15 | 2.56 | 0.008 |
| 4-8 | 118 (17.6) | 121 (27.1) | 5.50 | 3.73 | 8.12 | <0.001 |
| ≥ 9 | 48 (7.2) | 202 (45.2) | 22.58 | 14.66 | 34.78 | <0.001 |
| Initial systolic BP (mean ± SD) | 141 ± 24 | 146 ± 24 | 1.09 | 1.04 | 1.15 | 0.001 |
| Fasting glucose (mg/dL), (mean ± SD) | 113 ± 42 | 127 ± 55 | 1.07 | 1.04 | 1.10 | <0.001 |
| LDL - cholesterol (mg/dL), (mean ± SD) | 117 ± 36 | 115 ± 37 | 0.98 | 0.95 | 1.01 | 0.246 |
| WBC (/mm ³), (mean ± SD) | 7,802 ± 2,367 | 8,871 ± 3,348 | 1.13 | 1.08 | 1.17 | <0.001 |
| Hemoglobin (g/dL), (mean ± SD) | 13.8 (1.8) | 13.4 (2.1) | 0.78 | 0.57 | 0.98 | 0.001 |

In these analysis, there were missing data for atrial fibrillation in 3 patients (0.3%), smoking status in 4 (0.36%), BMI in 33 (3.0%), WBC in one (0.1%), LDL-C in 22 (2.0%), and fasting glucose in 98 (8.8%) patients.

BMI, body mass index; BP, blood pressure; LDL, low density lipoprotein; NIHSS, National Institutes of Health Stroke Scale; tPA, tissue plasminogen activator; WBC, white blood cell.