

Supplementary Table 2. Model output of linear regression analysis for the association between anemia and NIHSS at 24–48 hours

| Independent variables | Adjusted β (95% CI) | <i>P</i> |
|---|---------------------------|----------|
| Age (yr) | 0.08 (0.01 to 0.14) | 0.019* |
| Use of antithrombotic medication | 0.89 (-0.76 to 2.55) | 0.288 |
| Stroke severity (NIHSS) on admission | 0.53 (0.40 to 0.66) | <0.001* |
| Intravenous thrombolysis | -0.35 (-2.17 to 1.48) | 0.709 |
| Serum glucose on admission (mmol/L) | 0.35 (0.06 to 0.64) | 0.017* |
| ASPECTS on admission | -0.37 (-0.85 to 0.11) | 0.129 |
| Poor collaterals ($\leq 50\%$) on admission | -2.14 (-3.90 to -0.38) | 0.017* |
| Occlusion segment: (ICA=ref) | | |
| ICA-Top | -3.73 (-7.06 to -0.39) | 0.029* |
| M1 segment | -4.46 (-7.39 to -1.54) | 0.003* |
| M2 segment | -4.03 (-7.36 to -0.70) | 0.018* |
| Total EVT-attempts | 0.40 (-0.07 to 0.88) | 0.097 |
| Intervention complications | 0.17 (-1.58 to 1.93) | 0.848 |
| Recanalization | -4.92 (-6.57 to -3.27) | <0.001* |
| Duration of EVT (min) | 0.05 (0.03 to 0.08) | <0.001* |
| Presence of anemia | 1.44 (-0.47 to 3.36) | 0.139 |

CI, confidence interval; NIHSS, National Institutes of Health Stroke Scale; ASPECTS, Alberta Stroke Program Early CT Score; ICA, internal carotid artery; EVT, endovascular treatment.

*Statistical significance.

Supplementary Table 3. Model output of linear regression analysis for the association between hemoglobin level on admission and NIHSS at 24–48 hours

| Independent variables | Adjusted β (95% CI) | <i>P</i> |
|---|---------------------------|----------|
| Age (yr) | 0.07 (0.00 to 0.13) | 0.044* |
| Use of antithrombotic medication | 0.88 (-0.77 to 2.54) | 0.293 |
| Stroke severity (NIHSS) on admission | 0.53 (0.40 to 0.65) | <0.001* |
| Intravenous thrombolysis | -0.30 (-2.12 to 1.52) | 0.748 |
| Serum glucose on admission (mmol/L) | 0.37 (0.08 to 0.66) | 0.012* |
| ASPECTS on admission | -0.38 (-0.85 to 0.10) | 0.124 |
| Poor collaterals ($\leq 50\%$) on admission | -2.26 (-4.02 to -0.49) | 0.012* |
| Occlusion segment: (ICA=ref) | | |
| ICA-Top | -3.71 (-7.05 to -0.38) | 0.029* |
| M1 segment | -4.44 (-7.37 to -1.51) | 0.003* |
| M2 segment | -3.97 (-7.30 to -0.65) | 0.019* |
| Total EVT-attempts | 0.39 (-0.08 to 0.87) | 0.104 |
| Intervention complications | 0.21 (-1.54 to 1.96) | 0.814 |
| Recanalization | -4.86 (-6.51 to -3.21) | <0.001* |
| Duration of EVT (min) | 0.05 (0.03 to 0.08) | <0.001* |
| Hemoglobin on admission (g/dL) | -0.43 (-0.92 to 0.06) | 0.089 |

NIHSS, National Institutes of Health Stroke Scale; CI, confidence interval; ASPECTS, Alberta Stroke Program Early CT Score; ICA, internal carotid artery; EVT, endovascular treatment.

*Statistical significance.

Supplementary Table 4. Model output of ordinal logistic regression analysis for the association between anemia and mRS at 90 days

| Independent variables | Adjusted cOR (95% CI) | <i>P</i> |
|---|-----------------------|----------|
| Age (yr) | 1.04 (1.02 to 1.05) | <0.001* |
| History of cardiovascular risk factors | 1.08 (0.75 to 1.57) | 0.669 |
| History of stroke | 1.85 (1.16 to 2.94) | 0.009* |
| Use of antithrombotic medication | 1.08 (0.74 to 1.60) | 0.680 |
| Systolic blood pressure | 1.00 (0.99 to 1.00) | 0.720 |
| Stroke severity (NIHSS) on admission | 1.09 (1.06 to 1.12) | <0.001* |
| Intravenous thrombolysis | 0.71 (0.49 to 1.04) | 0.079 |
| Serum glucose on admission (mmol/L) | 1.09 (1.03 to 1.16) | 0.006* |
| ASPECTS on admission | 0.96 (0.88 to 1.05) | 0.376 |
| Poor collaterals ($\leq 50\%$) on admission | 0.53 (0.37 to 0.76) | <0.001* |
| Occlusion segment: (ICA=ref) | | |
| ICA-Top | 1.06 (0.51 to 2.19) | 0.875 |
| M1 segment | 0.78 (0.42 to 1.47) | 0.442 |
| M2 segment | 0.62 (0.30 to 1.26) | 0.187 |
| Total EVT-attempts | 1.03 (0.94 to 1.14) | 0.502 |
| Recanalization | 0.46 (0.33 to 0.65) | <0.001* |
| Duration of EVT (min) | 1.01 (1.00 to 1.02) | <0.001* |
| Presence of anemia | 1.66 (1.12 to 2.48) | 0.012* |

mRS, modified Rankin Scale; cOR, common odds ratio; CI, confidence interval; NIHSS, National Institutes of Health Stroke Scale; ASPECTS, Alberta Stroke Program Early CT Score; ICA, internal carotid artery; EVT, endovascular treatment.

*Statistical significance.