Supplementary Table 4. Multivariable logistic regression for prolonged length of stay

Variable	aOR (95% CI)	*p*-value
Age (per 10 years)	1.00 (0.95–1.05)	0.991
Sex, male	1.08 (0.96–1.22)	0.225
Initial NIHSS	1.10 (1.09–1.11)	<0.001
Hypertension	0.98 (0.87–1.11)	0.798
Diabetes mellitus	0.98 (0.86–1.11)	0.750
Atrial fibrillation	0.82 (0.67–0.99)	0.039
Previous stroke	1.21 (1.06–1.38)	0.004
Coronary heart disease	1.36 (1.16–1.60)	<0.001
Current smoker	0.94 (0.82–1.08)	0.399
Premorbid mRS	1.08 (1.03–1.15)	0.004
Systolic BP (per 10 mmHg)	1.03 (1.00–1.06)	0.038
Diastolic BP (per 10 mmHg)	0.99 (0.95–1.04)	0.673
Initial glucose (per 10 mg/dL)	1.01 (1.00–1.02)	0.009
Triglycerides (per 10 mg/dL)	0.99 (0.98–1.00)	0.030
HDL cholesterol (mg/dL)	1.00 (1.00–1.01)	0.669
LDL cholesterol (per 10 mg/dL)	1.01 (0.99–1.02)	0.278
Hemoglobin (g/dL)	0.95 (0.92–0.97)	<0.001
Platelets (per 10 $\times 10^3/\mu L$)	1.00 (0.99–1.00)	0.168
Creatinine (mg/dL)	1.05 (0.99–1.13)	0.128
WBC ($\times 10^3/\mu L$)	1.06 (1.04–1.08)	<0.001
PT (INR)	1.18 (0.97–1.43)	0.094
IV thrombolysis	0.79 (0.66–0.94)	0.009
IA thrombectomy	0.97 (0.82–1.14)	0.704
Relevant large artery steno-occlusion	1.29 (1.14–1.45)	<0.001
TOAST: LAA (vs. SVO)	1.85 (1.51–2.27)	<0.001
TOAST: CE (vs. SVO)	2.22 (1.73–2.85)	<0.001
TOAST: Other determined (vs. SVO)	2.67 (2.08–3.43)	<0.001
TOAST: Undetermined (vs. SVO)	1.78 (1.43–2.23)	<0.001

Multivariable logistic regression including all 25 admission-level candidate variables and TOAST classification as a 5-level categorical variable. Complete case n=8,245 (97.6% of total cohort).
aOR, adjusted odds ratio; NIHSS, National Institutes of Health Stroke Scale; mRS, modified Rankin Scale; BP, blood pressure; HDL, high-density lipoprotein; LDL, low-density lipoprotein; WBC, white blood cell count; PT, prothrombin time; INR, international normalized ratio; IV, intravenous; IA, intra-arterial; TOAST, Trial of Org 10172 in Acute Stroke Treatment; LAA, large artery atherosclerosis; SVO, small vessel occlusion; CE, cardioembolism.