

Supplementary materials

Table 1. Univariable analyses for unfavorable outcome after EVT.

Variables	OR (95% CI)	<i>P</i> value
Age (years)	1.050 (1.029-1.073)	<0.001
Male, n (%)	1.162 (0.720-1.881)	0.540
Medical history, n (%)		
Hypertension	1.823 (1.117-3.007)	0.017
Diabetes mellitus	2.262 (1.256-4.149)	0.007
Atrial fibrillation	1.733 (1.084-2.783)	0.022
Hyperlipidemia	0.733 (0.299-1.705)	0.479
Coronary heart disease	1.391 (0.805-2.408)	0.236
Heart failure	2.743 (1.217-6.610)	0.018
Smoking	0.705 (0.420-1.173)	0.182
Drinking	0.902 (0.503-1.600)	0.725
Clinical assessment		
Systolic BP (mmHg)	1.010 (1.001-1.020)	0.031
Diastolic BP (mmHg)	1.013 (0.997-1.030)	0.102
NIHSS score	1.114 (1.072-1.161)	<0.001
ASPECTS score	0.715 (0.607-0.830)	<0.001
Laboratory data		
White blood cell count ($\times 10^9/L$)	1.057 (0.998-1.121)	0.061
Neutrophil count ($\times 10^9/L$)	1.135 (1.065-1.214)	<0.001
Lymphocyte count ($\times 10^9/L$)	0.880 (0.634-1.200)	0.427
Platelet count ($\times 10^{12}/L$)	0.998 (0.994-1.002)	0.402
C-reactive protein (mg/L)	1.009 (1.003-1.017)	0.011
Fasting blood glucose (mmol/L)	1.153 (1.063-1.264)	0.001
Intravenous thrombolysis, n (%)	0.893 (0.548-1.449)	0.648
Door to puncture (min)	1.001 (0.998-1.004)	0.563
Puncture to reperfusion (min)	1.000 (0.996-1.004)	0.879
Occlusion site, n (%)		
ICA	ref	
MCA/ACA (M1/A1)	0.489 (0.303-0.785)	0.003

MCA/ACA(M2/A2)	0.273 (0.013-2.198)	0.266
ASITN/SIR 2-3, n (%)	0.622 (0.389-0.989)	0.046
Type of procedure, n (%)		
Stent retriever first	2.785 (1.113-7.981)	0.038
Aspiration first	3.026 (1.197-8.737)	0.027
Angioplasty or stent first	ref	
mTICI 2b/3, n (%)	0.301 (0.148-0.584)	0.001
sICH, n (%)	5.065 (1.956-15.701)	0.002
Systemic inflammatory indicators		
NLR (%)	1.065 (1.030-1.106)	0.001
SII ($\times 10^{12}/L$)	1.000 (1.000-1.000)	0.010
PLR (%)	1.000 (0.999-1.002)	0.450

Abbreviations: ACA, anterior cerebral artery; ASITN/SIR, the American Society of Interventional and Therapeutic Neuroradiology/Society of Interventional Radiology; ASPECTS, the Alberta Stroke Program Early Computed Tomography Score; BP, blood pressure; CI, confidence interval; EVT, endovascular treatment; ICA, internal carotid artery; MCA, middle cerebral artery; mTICI, modified Thrombolysis in Cerebral Infarction Score; NIHSS, National Institute of Health Stroke Scale; NLR, neutrophil-to-lymphocyte ratio; OR, odds ratio; PLR, platelet-to-lymphocyte ratio; sICH, symptomatic intracranial hemorrhage; SII, systemic-immune-inflammation index

Table 2. Screening results of adjusted factors in multivariable analysis of model 3.

Variable	OR (IBI as Per 1-SD increase, 95% CI)	P value	OR (IBI as Quartiles, 95% CI)	P value
Age	1.046 (1.021-1.073)	<0.001	1.039 (1.015-1.065)	0.002
NIHSS score	1.081 (1.035-1.133)	0.001	1.086 (1.04-1.136)	<0.001
ASPECTS score	0.739 (0.607-0.889)	0.002	0.736 (0.604-0.885)	0.002
mTICI 2b/3	0.326 (0.144-0.711)	0.006	0.312 (0.137-0.680)	0.004
sICH	4.920 (1.662-16.942)	0.006	4.782 (1.611-16.496)	0.007
Fasting blood glucose	1.079 (0.991-1.185)	0.093	1.084 (0.993-1.191)	0.081
Heart failure	2.158 (0.826-5.906)	0.122	2.052 (0.789-5.612)	0.147

Abbreviations: ASPECTS, the Alberta Stroke Program Early Computed Tomography Score; CI, confidence interval; mTICI, modified Thrombolysis in Cerebral Infarction Score; NIHSS, National Institute of Health Stroke Scale; NLR, neutrophil-to-lymphocyte ratio; OR, odds ratio; sICH, symptomatic intracranial hemorrhage.