Table S1: Variance inflation factor (VIF) assessment of multicollinearity for multivariable models in large vessel occlusion (LVO) and medium vessel occlusion (MeVO) cohorts.

Variable	VIF
Black	1.143217791
Age	1.282483697
Hypertension	1.071183079
Diabetes Mellitus	1.052697009
ASPECTS	1.226190474
dCTA	1.218031825
DSA	1.294656235
rCBF30% < 50 mL	1.480679651
IV tPA	1.23672537
Admission NIHSS	1.186787466
mTICI ≥ 2b	1.153166558

ASPECTS = Alberta Stroke Program Early CT Score, dCTA = CT angiography derived from CT perfusion source imaging, DSA = digital subtraction angiography, rCBF30% < 50 mL = relative cerebral angiography < 30% with volume less than 50 mL, tPA = tissue plasminogen activator, NIHSS = National Institutes of Health Stroke Score, mTICI = modified treatment in cerebral infarction.

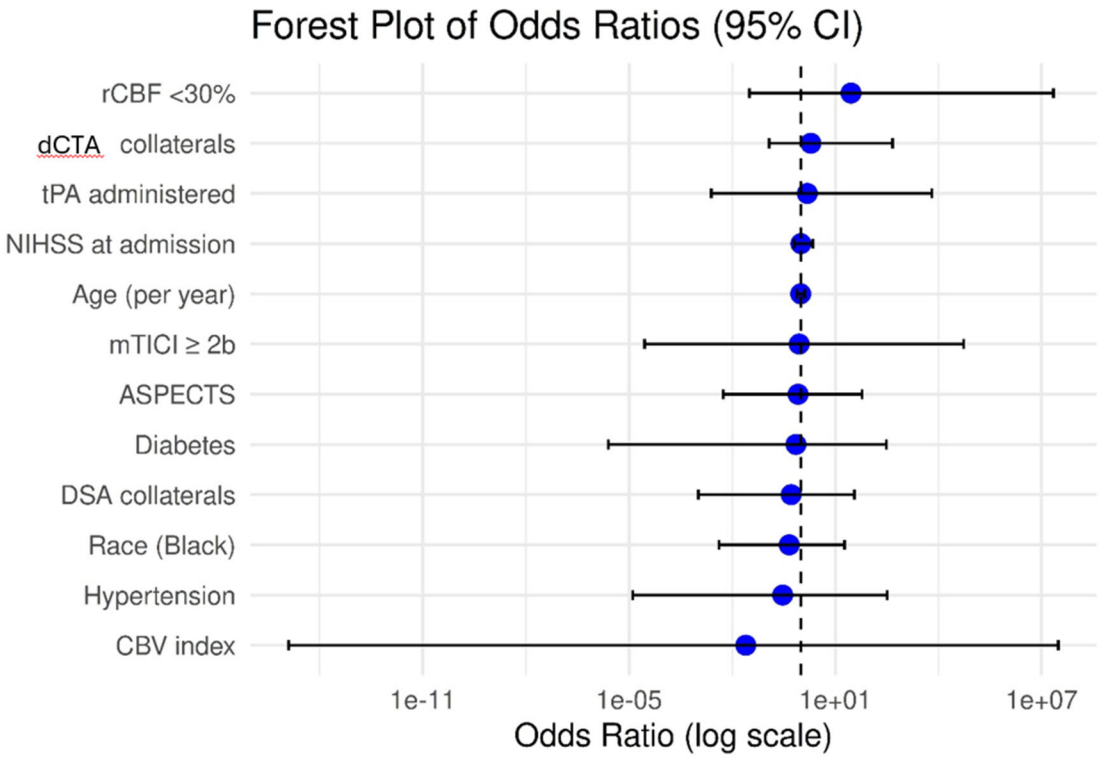
Table S2: Sensitivity analysis of variables predicting good func-tional outcome (90d mRS ≤ 2) in combined large vessel occlusion (LVO) and medium vessel occlusion (MeVO) cohort using penalized likelihood model.

	Coefficient	Standard error	95% CI	p
Age	-0.01443	0.07386	(-0.265-0.259)	0.88
Sex	-0.19651	1.23623	(-5.515-3.218)	0.90
Black	-0.78055	1.562049	(-5.482-2.917)	0.68
Smoking	0.711087	1.868144	(-4.412-8.499)	0.75
Hypertension	-1.22065	2.038591	(-11.264-5.771)	0.62
Dyslipidemia	0.710977	1.725365	(-6.408-9.377)	0.73
Diabetes	-0.3311	1.862944	(-12.900-5.730)	0.87
Atrial Fibrillation	-0.4261	1.559378	(-9.256-4.307)	0.81

Admission NIHSS	-0.0001	0.164913	(-0.462-0.789)	0.99
IV tPA	0.427262	2.179427	(-6.003-8.771)	0.87
Preprocedural Blood Glucose	-0.00242	0.013683	(-0.078-0.045)	0.89
ASPECTS	-0.18764	0.911638	(-5.204-4.097)	0.87
dCTA	0.664785	1.125386	(-2.127-6.140)	0.59
DSA	-0.65371	1.812779	(-6.866-3.588)	0.75
rCBF30% < 50 mL	3.355523	3.260202	(-3.455-16.918)	0.34
CBV Index	-3.69147	5.687984	(-34.304-17.234)	0.59
Prior Stroke	-0.72222	1.836026	(-6.364-6.665)	0.71
mTICI ≥ 2b	-0.11499	3.12259	(-10.466-10.899)	0.98
LKW to door, mins	-0.00776	0.021346	(-0.079-0.107)	0.73
Door to CT, mins	-0.00617	0.053394	(-0.271-0.140)	0.91
Door to needle, mins	-0.02341	0.034644	(-0.134-0.101)	0.53
Door to groin puncture, mins	0.016249	0.01517	(-0.083-0.096)	0.37
Groin puncture to recanalization, mins	0.004634	0.022651	(-0.073-0.099)	0.86

ASPECTS = Alberta Stroke Program Early CT Score, dCTA = CT angiography derived from CT perfusion source imaging, DSA = digital subtraction angiography, rCBF30% < 50 mL = relative cerebral angiography < 30% with volume less than 50 mL, CBV = cerebral blood volume, tPA = tissue plasminogen activator, NIHSS = National Institutes of Health Stroke Score, mRS = modified Rankin Score, mTICI = modified treatment in cerebral infarction, LKW = last known well.

Figure S1: Forest plot for multivariate predictors of 90d mRS ≤ 2 in anterior circulation large vessel occlusion (LVO) and medium vessel occlusion (MeVO) ischemic stroke patients treated by mechanical thrombectomy (n=249).



ASPECTS = Alberta Stroke Program Early CT Score, dCTA = CT angiography derived from CT perfusion source imaging, DSA = digital subtraction angiography, rCBF30% < 50 mL = relative cerebral angiography < 30% with volume less than 50 mL, CBV = cerebral blood volume, tPA = tissue plasminogen activator, NIHSS = National Institutes of Health Stroke Score, mTICI = modified treatment in cerebral infarction.