

**Supplementary Table 1.** Comparison between propensity score-matched cohorts

Characteristics	Total (n=1,131)	Tandem group (n=574)	Intracranial group (n=557)	SMD	N
Age (yr)	72.3±16.0	71.8±18.3	72.7±14.2	0.06	1,131
Male sex	796 (70.4)	395 (68.8)	401 (72.0)	0.07	1,131
mRS score before onset	0.5±1.6	0.5±1.7	0.6±1.5	0.06	1,131
mRS score before onset of 0–1	957 (84.6)	493 (85.9)	464 (83.3)	0.08	1,131
Body mass index (kg/m <sup>2</sup> )	22.7±5.1	22.6±5.7	22.8±4.6	0.04	1,131
Comorbidities					
Hypertension	742 (65.6)	386 (67.2)	357 (64.1)	0.06	1,131
Diabetes mellitus	350 (30.9)	187 (32.6)	163 (29.3)	0.08	1,131
Transient ischemic attack	8 (0.8)	3 (0.6)	5 (0.9)	0.04	1,006
Ischemic stroke	181 (16.0)	97 (16.9)	84 (15.1)	0.06	1,131
Cerebral hemorrhage	29 (2.6)	15 (2.6)	14 (2.6)	0.00	1,131
Coronary artery disease	91 (8.1)	45 (7.9)	46 (8.3)	0.02	1,131
Atrial fibrillation	38 (3.3)	18 (3.2)	20 (3.5)	0.02	1,131
Any smoking habit	758 (67.0)	388 (67.6)	371 (66.6)	0.02	1,131
Dyslipidemia	344 (30.4)	175 (30.5)	169 (30.3)	0.00	1,131
Medications before admission					
Warfarin	20 (1.8)	14 (2.4)	6 (1.0)	0.11	1,122
DOACs	24 (2.1)	13 (2.2)	11 (2.0)	0.01	1,122
Antiplatelets	214 (19.1)	108 (18.9)	105 (19.0)	0.00	1,122
Dual antiplatelet therapy	31 (2.7)	19 (3.3)	12 (2.2)	0.07	1,122
Statin	218 (19.4)	126 (22.1)	92 (16.6)	0.13	1,122
Systolic blood pressure (mm Hg)	161±40	159±48	162±34	0.07	1,120
Diastolic blood pressure (mm Hg)	87±26	86±32	89±21	0.11	920
NIHSS on admission	14±11	15±13	13±10	0.17	1,126
ASPECTS on admission	8±2.7	7±3.3	8±2.2	0.36	1,131
Laboratory values					
LDL cholesterol (mg/dL)	124±59	122±69	125±53	0.05	991
HDL cholesterol (mg/dL)	50±21	50±24	50±19	0.00	973
Glucose (mg/dL)	139±71	140±74	139±70	0.01	1,103
Creatinine (mg/dL)	0.89±0.8	0.88±1.0	0.94±1.0	0.06	1,122
CRP (mg/dL)	1.02±3.7	1.06±4.3	0.98±3.3	0.02	1,111
Hemoglobin (g/dL)	13.7±3.1	13.6±3.3	13.9±3.0	0.10	1,125
Intracranial occlusion site				0.28	1,128
Intracranial ICA	266 (23.6)	159 (27.7)	107 (19.3)		
M1 segment of MCA	658 (58.3)	284 (49.6)	375 (67.6)		
M2 segment of MCA	203 (18.0)	130 (22.7)	73 (13.2)		
Involving cervical ICA occlusion	NA	347 (60)	NA	NA	574
Involving cervical ICA stenosis	NA	227 (40)	NA	NA	574
t-PA administration	338 (30)	198 (35)	140 (25)	0.18	1,131
Onset to door time (min)	313±690	264±842	393±776	0.16	1,075
Onset to puncture time (min)	480±1,068	408±1,336	622±1,217	0.17	1,075
Intraoperative addition of antiplatelets	690 (61.2)	355 (61.9)	335 (60.1)	0.03	1,128

Supplementary Table 1. Continued

Characteristics	Total (n=1,131)	Tandem group (n=574)	Intracranial group (n=557)	SMD	N
EVT procedures					
Carotid artery					
Stenting	NA	368 (64.1)	NA	NA	574
Thrombectomy	NA	57 (9.9)	NA	NA	574
Balloon angioplasty	NA	258 (44.9)	NA	NA	574
Intracranial artery					
Stenting	95 (8.4)	17 (2.9)	78 (14.0)	0.56	1,131
Thrombectomy	868 (76.7)	484 (84.3)	384 (68.9)	0.12	1,131
Balloon angioplasty	328 (29.0)	31 (5.4)	297 (53.3)	0.57	1,131
Local intraarterial fibrinolysis	33 (2.9)	12 (2.0)	22 (3.9)	0.05	1,131
mTICI grade of 2b–3	977 (86.4)	524 (91.3)	453 (80.8)	0.07	1,131
Puncture to recanalization time (min)	70±71	80±85	60±57	0.28	1,131

Values are presented as mean±standard deviation or n (%).

mRS, modified Rankin Scale; DOACs, direct oral anticoagulants; NIHSS, National Institutes of Health Stroke Scale; ASPECTS, Alberta Stroke Program Early CT Score; CRP, C-reactive protein; ICA, intracarotid artery; MCA, middle cerebral artery; t-PA, tissue plasminogen activator; EVT, endovascular treatment; mTICI, modified Thrombolysis in Cerebral Infarction; SMD, standard mean difference.

Supplementary Table 2. Comparison of outcomes between propensity score-matched cohorts

Outcomes	Total (n=1,131)	Tandem group (n=574)	Intracranial group (n=557)	OR (95% CI)	P
ICH	104 (9.2)	69 (12.0)	35 (6.2)	2.07 (1.35–3.17)	<0.01
Hemorrhagic infarction	21 (1.9)	11 (2.0)	10 (1.8)	1.11 (0.47–2.14)	0.81
Parenchymal hematoma	36 (3.2)	29 (5.1)	7 (1.3)	4.08 (1.80–9.25)	<0.01
Subarachnoid hemorrhage	19 (1.7)	8 (1.4)	11 (2.0)	0.68 (0.28–1.70)	0.41
Symptomatic ICH	36 (3.2)	30 (5.2)	6 (1.1)	4.99 (2.07–12.0)	<0.01
Decompressive craniotomy	8 (0.7)	8 (1.3)	0 (0)	NA	<0.01
All-cause mortality within 90 days	44 (3.9)	31 (5.5)	13 (2.3)	2.49 (1.28–4.84)	<0.01

Values are presented as n (%) unless otherwise indicated. We constructed multivariable logistic regression models to calculate the propensity score with the following variables: age, sex, body mass index, history of coronary artery disease, smoking habit, dyslipidemia, cerebral infarction, and intracranial hemorrhage. Using the propensity score, patients in the Tandem and Intracranial groups were weighted by the Inverse Probability of Treatment Weighting method. ICH, intracranial hemorrhage; OR, odds ratio; CI, confidence interval.