

Supplementary Table 2. Baseline characteristics and clinical outcomes of posterior circulation stroke patients according to three etiologies

Characteristic	ICAS-O (n=21)	AT-O (n=16)	CA-O (n=36)	P
Age (yr)	68.0 (56.0–73.5)	62.5 (57.0–71.0)	69.0 (60.5–77.8)	0.48
Female sex	3 (14.3)	2 (12.5)	20 (55.6)	<0.01
Initial NIHSS	10.0 (9.0–17.0)	10.5 (5.5–20.5)	13.0 (7.0–22.0)	0.63
Hypertension	18 (85.7)	10 (62.5)	21 (58.3)	0.12
Diabetes	4 (19.0)	8 (50.0)	6 (16.7)	0.04
Hyperlipidemia	9 (42.9)	6 (37.5)	9 (25.0)	0.35
Current smoking	7 (33.3)	6 (37.5)	5 (13.9)	0.09
Previous stroke	5 (23.8)	8 (50.0)	7 (19.4)	0.07
Atrial fibrillation	0 (0)	0 (0)	29 (80.6)	<0.01
Occlusion site				<0.01
Extracranial VA	0 (0)	7 (43.8)	0 (0)	<0.01
Intracranial VA	8 (38.1)	4 (25.0)	3 (8.3)	0.02
Proximal to middle BA	12 (57.1)	2 (12.5)	11 (30.6)	0.02
Distal BA	4 (19.0)	7 (43.8)	18 (50.0)	0.07
PCA	2 (9.5)	0 (0)	6 (16.7)	0.23
Clear onset	14 (66.7)	9 (56.3)	16 (44.4)	0.26
Intravenous tPA	6 (28.6)	3 (18.8)	10 (27.8)	0.83
Time variables (min)				
Onset-to-door	328.0 (190.0–573.0)	407.0 (156.5–861.8)	207.0 (40.0–510.0)	0.20
Door-to-groin puncture	172.0 (129.0–238.0)	174.0 (135.0–376.3)	179.0 (133.5–276.3)	0.76
Puncture-to-recanalization	72.0 (52.0–93.5)	62.0 (49.0–82.5)	36.5 (23.3–61.5)	<0.01*
Onset-to-recanalization	659.0 (427.5–930.5)	973.0 (481.0–2,679.0)	511.5 (234.8–958.8)	0.04 [†]
Modalities of EVT				
Suction thrombectomy	3 (14.3)	6 (37.5)	24 (66.7)	<0.01
Angioplasty	17 (81.0)	12 (75.0)	1 (2.8)	<0.01
Stent retriever	8 (38.1)	11 (68.8)	18 (50.0)	0.19
Stent insertion	13 (61.9)	11 (68.8)	2 (5.6)	<0.01 [†]
Instant re-thrombosis	4 (19.0)	0 (0)	0 (0)	0.01
Tirofiban use	3 (14.3)	0 (0)	0 (0)	0.03
mTICI				0.62
mTICI 0–1	0 (0)	1 (6.3)	0 (0)	
mTICI 2a	0 (0)	1 (6.3)	1 (2.8)	
mTICI 2b	9 (42.9)	5 (31.3)	15 (41.7)	
mTICI 3	12 (57.1)	9 (56.3)	20 (55.6)	
Successful recanalization (mTICI 2b–3)	21 (100.0)	14 (87.5)	35 (97.2)	0.19
Recanalization in follow-up imaging	16/20 (80.0)	11/14 (78.6)	32/32 (100.0)	0.01 [§]
Symptomatic ICH	0/20 (0.0)	0/14 (0.0)	1/32 (3.1)	>0.99
ICH at follow-up imaging	3/20 (15.0)	4/14 (28.6)	13/32 (40.6)	0.14
Types of ICH				0.54
HI-1	3 (100.0)	3 (75.0)	7 (53.8)	
HI-2	0 (0)	1 (25.0)	2 (15.4)	
PH-1	0 (0)	0 (0)	0 (0)	
PH-2	0 (0)	0 (0)	4 (30.8)	
mRS 0–2 at 3 months	7 (33.3)	7 (43.8)	12 (33.3)	0.81
Mortality at 3 months	3 (14.3)	1 (6.3)	7 (19.4)	0.53

Values are presented as median (interquartile range) or number (%). The three groups were compared using Pearson chi-square test or the Kruskal-Wallis test; whichever was appropriate.

ICAS-O, intracranial arterial steno-occlusion; AT-O, artery-to-artery embolic occlusion; CA-O, cardioembolic occlusion; NIHSS, National Institutes of Health Stroke Scale; VA, vertebral artery; BA, basilar artery; PCA, posterior cerebral artery; tPA, tissue plasminogen activator; EVT, endovascular treatment; mTICI, modified thrombolysis in cerebral infarction; ICH, intracerebral hemorrhage; HI, hemorrhagic infarction; PH, parenchymal hemorrhage; mRS, modified Rankin Scale.

*[†]Puncture-to-recanalization time and onset-to-recanalization time were calculated in patients in whom successful recanalization was achieved; [†]Stent insertion refers to intracranial stenting in patients with ICAS-O or CA-O and extracranial (proximal) stenting in patients with AT-O; [§]Follow-up images were available for 20, 14, and 32 patients for the ICAS-O, the AT-O and the CA-O group, respectively.