

SUPPLEMENTAL MATERIAL

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Supplemental Table 1. Univariate association of 90-day mortality with baseline and treatment characteristics, recanalization and complications before multiple imputation.

	Alive (n=60)	Died (n=47)	OR (95% CI)	<i>P</i>
Baseline characteristics				
Age per 10 year increase	61.5 (16.3)	67.4 (13.0)	1.31 (1.00 to 1.71)	0.048
$\geq 60^a$	29/60 (48.3)	36/47 (76.6)	3.50 (1.50 to 8.14)	0.004
Men	39/60 (65.0)	27/47 (57.5)	0.73 (0.33 to 1.59)	0.43
Hypertension	30/60 (50.0)	23/46 (50.0)	1.00 (0.46 to 2.16)	1.00
Hypercholesterolemia	14/59 (23.7)	16/46 (34.8)	1.71 (0.73 to 4.02)	0.22
Diabetes mellitus	4/60 (6.7)	8/46 (17.4)	2.95 (0.83 to 10.48)	0.095
Current smoker	20/56 (35.7)	7/38 (18.4)	0.41 (0.15 to 1.09)	0.073
Prior use of antithrombotic medications	17/60 (28.3)	21/47 (44.7)	2.04 (0.91 to 4.56)	0.082
Admission NIHSS (per 5 point increase)	12 (7 to 20)	22 (13 to 42)	1.23 (1.05 to 1.43)	0.007
$\geq 13^a$	26/59 (44.1)	38/46 (82.6)	6.03 (2.40 to 15.12)	<0.001
pc-ASPECTS (per 1 point decrease)	8 (7 to 9)	7 (6 to 8)	1.63 (1.23 to 2.15)	<0.001
Stroke etiology				0.33
Large-artery atherosclerosis	15/54 (27.8)	17/40 (42.5)	1.89 (0.69 to 5.12)	0.14
Cardioembolic	19/54 (35.2)	11/40 (27.5)	0.97 (0.34 to 2.71)	0.44

Others	20/54 (37.0)	12/40 (30.0)	1.00 (reference)	-
Treatment characteristics				
Intravenous thrombolysis	32/60 (53.3)	16/47 (34.0)	0.45 (0.20 to 0.99)	0.048
General anesthesia	45/60 (75.0)	43/47 (91.5)	3.58 (1.10 to 11.66)	0.034
Onset to groin puncture, min ^b	315 (216 to 468)	315 (250 to 377)	1.00 (0.93 to 1.05) ^c	0.86
First-line thrombectomy (stent retriever vs. ADAPT)	28/60 (46.7)	24/47 (51.1)	1.19 (0.55 to 2.56)	0.65
Dilatation procedure	12/60 (20.0)	17/47 (36.2)	2.27 (0.95 to 5.40)	0.065
<i>Stenting</i>	8/60 (13.3)	9/47 (19.2)	1.54 (0.54 to 2.36)	0.42
<i>Angioplasty</i>	9/60 (15.0)	13/47 (27.7)	2.17 (0.83 to 5.63)	0.11
Procedural antiplatelet use	7/60 (11.7)	6/46 (13.0)	1.14 (0.35 to 3.64)	0.83
Intermediate outcomes				
Successful recanalization	54/60 (90.0)	29/47 (61.7)	0.18 (0.06 to 0.50)	<0.001
Number of passes ≥3 ^d	13/54 (24.1)	9/29 (31.0)	1.42 (0.52 to 3.87)	0.49
Groin puncture to successful recanalization, min ^d	50 (36 to 77)	54 (41 to 97)	1.64 (0.83 to 3.21) ^c	0.15
Rescue thrombectomy ^d	6/54 (11.1)	7/29 (24.1)	2.55 (0.76 to 8.46)	0.13
Adverse events related to procedure	11/60 (18.3)	10/47 (21.3)	1.20 (0.46 to 3.13)	0.70
Any intracranial hemorrhage ^e	8/55 (14.6)	5/40 (12.5)	0.84 (0.25 to 2.79)	0.77

Values are no./total no. (%) or median (interquartile range).

^a cut off value maximizing the youden index

^b 3 missing values

^c data among patients with successful reperfusion (mTICI 2b/3); 2 missing values

^b calculated per one-log increase

^e 2 symptomatic ICH occurred in patients died

OR indicates odds ratio; CI, confidence interval; NIHSS, National Institutes of Health Stroke Scale; ASPECTS=Alberta Stroke Program Early Computed Tomography Score; ADAPT, A Direct Aspiration First Pass Technique; mTICI, modified Thrombolysis In Cerebral Ischemia; ICH=intracerebral hemorrhage.