

SUPPLEMENTAL MATERIAL

Supplemental Table 1. Subgroup analysis

	Overall (n=177)	Favorable outcome (n=80)	Unfavorable outcome (n=97)	P value
NIHSS stratification, n (%)				<0.001
0-10	30 (16.9)	21 (26.3)	9 (9.3)	
10-20	50 (28.2)	28 (35)	22 (22.7)	
20-42	97 (54.8)	31 (38.7)	66 (68.0)	
pc-ASPECTS stratification, n (%)				0.003
0-8	97 (54.8)	34 (42.5)	63 (64.9)	
8-10	80 (45.2)	46 (57.5)	34 (35.1)	
Time stratification, hours, n (%)				0.013
0-6	43 (24.3)	24 (30)	19 (19.6)	
6-12	79 (44.6)	40 (50)	39 (40.2)	
12-24	55 (31.1)	16 (20)	39 (40.2)	
Recanalization condition, n (%)				0.004
mTICI 0-2a	20 (11.3)	3 (3.7)	17 (17.5)	
mTICI 2b-3	157 (88.7)	77 (96.3)	80 (82.5)	

Abbreviations: NIHSS, National Institutes of Health Stroke Scale; pc-ASPECTS, posterior circulation Alberta Stroke Program Early Computed Tomography Score; mTICI, modified thrombolysis in cerebral infarction.

Supplemental Table 2. Comparison of different studies exploring outcome of basilar artery occlusion patients treated with recanalization therapy

	This study (n=177)	Lindsberg's study ¹ (n=50)	Jung's study ² (n=106)	Ottomeyer's study ³ (n=91)	Bousslama's study ⁴ (n=214)
Age, y	59.7 (SD, 11.8)	61.9	61.6 (SD, 15.1)	62.7 (SD, 14.5)	64.3 (SD, 13.5)
NIHSS	22 (IQR, 14-32)	NA	18.5 (range, 3-36)	21.7 (SD, 7.8)	21 (IQR, 12-28)
pc-ASPECTS	8 (IQR, 7-10)	NA	NA	NA	NA
GCS	8 (IQR, 5-12)	NA	NA	7.7 (SD, 3.7)	NA
Enrollment period	2012-2018	1995-2003	1992-2010	2002-2009	2005-2015
Recanalization method	Modern EVT	IVT	IAT	IVT (35.2%), tirofiban (15.4%), IAT (17.6%), EVT (37.4%), Combination of IAT and EVT (35.2%)	IAT (32.2%), stent retriever (37.8%), aspiration, (20.6%), merci retriever (21.5%)
Recanalization rate	88.7% (mTICI 2b-3)	52% (complete or partial)	69.8% (TIMI 2-3)	89% (TIMI 2-3)	87.6% (mTICI 2b-3)
90-day follow-up					
Favorable outcome	42.9%	32%	44.3%	32%	37.8%
Mortality	30.5%	40%	40.6%	42%	46.7%
Long-term follow-up					
Median observation period	12 months	2.8 years	3.1 years	4.2 years	NA
Favorable outcome	45.2%	34%	42.6%	28.6%	NA
Mortality	37.9%	46%	43.6%	56%	NA

Abbreviations: SD, standard deviation; NIHSS, National Institutes of Health Stroke Scale; IQR, interquartile range; NA, not available; pc-ASPECTS, posterior circulation Alberta Stroke Program Early Computed Tomography Score; GCS, Glasgow Coma Scale; EVT, endovascular

therapy; IVT, intravenous thrombolysis; IAT, intra-arterial thrombolysis; mTICI, modified thrombolysis in cerebral infarction; TIMI, thrombolysis in myocardial infarction.

Supplemental References

1. Lindsberg PJ, Soenne L, Tatlisumak T, et al. Long-term outcome after intravenous thrombolysis of basilar artery occlusion. *JAMA* 2004; 292: 1862-1866.
2. Jung S, Mono ML, Fischer U, et al. Three-month and long-term outcomes and their predictors in acute basilar artery occlusion treated with intra-arterial thrombolysis. *Stroke* 2011; 42: 1946-1951.
3. Ottomeyer C, Zeller J, Fesl G, et al. Multimodal recanalization therapy in acute basilar artery occlusion: long-term functional outcome and quality of life. *Stroke* 2012; 43: 2130-2135.
4. Bousslama M, Haussen DC, Aghaebrahim A, et al. Predictors of Good Outcome After Endovascular Therapy for Vertebrobasilar Occlusion Stroke. *Stroke* 2017; 48: 3252-3257.