

**Supplemental DATA**

- Mismatch (MM) and Hypoperfusion Intensity ratio (HIR) definition.

MM profile was defined by a MM ratio between critical hypoperfusion and core infarction volumes >1.2 and volume difference of more than 10 ml. The hypoperfusion intensity ratio (HIR) was calculated by the proportion of voxels with a TMax>10s delay included in the critically hypoperfused region outlined by a TMax delay >6s.

- Multivariate Analysis replacing BI Core Lesion volume by dichotomized ASPECTS

	reference or unit	Univariate models Event : Final mRS >2			Multivariate model 1 Event : Final mRS >2			Multivariate models 2 Event : Final mRS >2					
		OR	95% CI	p-value	OR	95% CI	p-value	OR	95% CI	p-value			
Age in years	5	1.23	1.08	1.41	0.0023	1.275	1.078	1.527	0.0060	1.277	1.068	1.548	0.0094
NIHSS total score at baseline	1	1.19	1.12	1.28	<0.0001	1.143	1.060	1.240	0.0008	1.110	1.024	1.209	0.0132
Initial Occlusion Site on Initial Imaging, ICA	No ICA	3.31	1.61	7.02	0.0014	3.065	1.202	8.178	0.0212	2.786	1.058	7.675	0.0412
Baseline Core Volume, mL	10	1.15	1.07	1.24	0.0002		x				x		
Baseline Tmax>6 s Volume, mL	10	1.11	1.05	1.18	0.0003		x				x		
Hypoperfusion Intensity Ratio (HIR)	0.1	1.14	1.00	1.31	0.0615		x				x		
No Mismatch	Mismatch	3.10	1.26	8.15	0.0160	4.639	1.239	18.749	0.0251	4.066	1.029	17.363	0.0490
Treated with IV tPA	No	0.45	0.23	0.88	0.0205	0.710	0.295	1.709	0.4409	0.672	0.273	1.649	0.3828
SBP at arrival in the CATH LAB	10	1.24	1.09	1.41	0.0012	1.132	0.960	1.343	0.1453	1.124	0.945	1.346	0.1895
General anesthesia	No	3.97	2.09	7.72	<0.0001	2.130	0.918	4.985	0.0783	2.617	1.085	6.471	0.0336
Duration of the procedure, min	5	1.02	0.97	1.08	0.3544	1.056	0.984	1.130	0.1147	1.058	0.984	1.134	0.1115
Hemorrhagic transformation at 24h	No	6.15	3.09	12.90	<0.0001		x			3.525	1.478	8.772	0.0052
Dichotomized ASPECTS≤5	>5	4.73	2.19	10.81	0.0001	2.466	0.849	7.497	0.1016	2.163	0.717	6.774	0.1744