

SUPPLEMENTAL MATERIAL

Supplemental Table I. Characteristics of all versus patients stratified by ADC core lesion reversal by 24 hours

| | All patients (n=50) | Patients achieving ADC core lesion reversal by 24 hours (n=26) | Patients <u>not</u> achieving ADC core lesion reversal by 24 hours (n=24) | p-value |
|---|------------------------|---|---|------------------|
| Age, median [IQR] | 66 [50-74] | 64 [49-73] | 67 [50-77] | 0.527 |
| Women (%) | 34 (68%) | 19 (73%) | 15 (63%) | 0.453 |
| Transferred from outside hospital | 15 (30%) | 9 (35%) | 6 (25%) | 0.446 |
| Baseline NIHSS, median [IQR] | 18 [11-22] | 19 [8-23] | 17 [12-21] | 0.748 |
| IV tPA administered | 40 (80%) | 18 (69%) | 22 (92%) | 0.044 |
| Time Onset to IV tPA (min), median [IQR] | 148 [103-182] | 120 [83-178] | 158 [127-188] | 0.116 |
| Large vessel occlusion (LVO) location on cerebral angiogram or COW MRA (%) ^ | | | | |
| Intracranial ICA | 5 (10%) | 3 (12%) | 2 (9%) | 0.657 |
| MCA: M1 | 32 (65%) | 19 (76%) | 13 (57%) | |
| MCA: M2 or other | 12 (25%) | 4 (16%) | 9 (39%) | |
| Baseline ADC Core lesion (mL), with ADC $\leq 620 \mu\text{m}^2/\text{sec}$, median [IQR] | 18 [1-53] | 8 [1-43] | 30 [4-95] | 0.174 |
| Baseline ADC intensity value of Core lesion, median [IQR] | 485 [449-518] | 500 [464-535] | 463 [423-499] | 0.015 |
| Baseline Tmax>6 sec volume (mL), median [IQR] | 178 [110-267] | 197 [118-267] | 166 [81-269] | 0.824 |
| Revascularization by 24 hours (%) | 32 (56%) | 24 (92%) | 8 (33%) | <0.001 |
| Percent of Core with ADC ≤ 620 $\mu\text{m}^2/\text{sec}$ at 24 hours, median [IQR] | 48% [14-86] | 16% [6-33] | 88% [69-99] | <0.001 |
| ADC intensity value of Core lesion at 24 hours, median [IQR] | 640 [468-732] | 730 [684-796] | 468 [381-586] | <0.001 |
| DWI lesion volume (mL) at 24 hours, median [IQR] | 40 [14-134] | 27 [9-46] | 79 [34-189] | 0.001 |
| Early Neurologic Improvement (ENI) at 24 hours (%) | 19/49 (38%) | 16/25 (64%) | 3 (13%) | <0.001 |
| NIHSS at Discharge | 4 [0-13] | 3 [0-7] | 9 [0-21] | 0.113 |
| DWI Lesion Volume at 5 days, median [IQR] | 43 [18-107] | 35 [15-67] | 63 [23-173] | 0.038 |
| Good clinical outcome (GCO), mRS 0-2 at 90 days | 16/35 (46%) | 13/20 (65%) | 3/15 (20%) | 0.009 |

IQR, interquartile range; NIHSS, National Institutes of Health Stroke Scale; ICA, internal carotid artery; MCA, middle cerebral artery; tPA, tissue plasminogen activator; TICl, Thrombolysis in Cerebral Infarction; mRS, modified Rankin Scale

^Two patients, one from each stratified group, did not have visible large vessel occlusions on cerebral angiogram or COW MRA