Correlation of Collateral Scores Derived from Whole Brain Time-Resolved Flat Panel Detector Imaging in Acute Ischemic Stroke

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Supplemental materials

Supplemental Table I

Supplemental Figures I-II
### Supplemental Table I Baseline characteristics.

| N | 30 |
|---|---|
| Age (median [IQR], years) | 76.50 [62.25, 82.75] |
| Female (%) | 12 (40) |
| Occluded vessel (%) | |
| M1-segment of middle cerebral artery | 21 (70) |
| M2-segment of middle cerebral artery | 9 (30) |
| HIR (median [IQR]) | 0.40 [0.20, 0.50] |
| FD-CTP Tmax >6s (median [IQR]) (mL) | 115.50 [87.25, 134.25] |
| FD-CTP rCBF <45% (median [IQR]) (mL) | 16.00 [5.50, 31.50] |
| Final mTICI (%) | |
| 0 | 1 (3.3) |
| 1 | 1 (3.3) |
| 2a | 2 (6.7) |
| 2b | 11 (36.7) |
| 3 | 15 (50.0) |
| IVT | 8 (26.7) |
| Onset to imaging (median [IQR]) (minutes) | 201.00 [159.50, 306.00] |
| Baseline imaging (CT/MRI) to FD-CT imaging (median [IQR]) (minutes) | 47.00 [37.50, 81.50] |
| Baseline ASPECTS (median [IQR]) | 8.00 [8.00, 9.00] |
| Baseline NIHSS (median [IQR]) | 14.00 [10.25, 19.75] |
| Etiology (%) | |
| Atherosclerotic | 6 (20.0) |
| Cardioembolic | 12 (40.0) |
| Other determined etiology | 3 (10.0) |
| Other undetermined etiology | 9 (30.0) |
| Risk factors (%) | |
| Atrial fibrillation | 6 (20.0) |
| Smoking | 10 (33.3) |
| Dyslipidemia | 15 (50.0) |
| Diabetes mellitus | 10 (33.3) |
| Arterial hypertension | 20 (66.7) |
| ASITN/SIR DSA consensus score | |
| 0 | 0 (0.0) |
| 1 | 10 (33.3) |
| 2 | 15 (50.0) |
| 3 | 2 (6.7) |
| 4 | 3 (10.0) |
| Calgary/Menon mFDCTA consensus score | |
| 0 | 0 (0.0) |
| 1 | 0 (0.0) |
| 2 | 12 (40.0) |
| 3 | 11 (36.7) |
| 4 | 7 (23.3) |
| 5 | 0 (0.0) |

*IQR* Interquartile range, *HIR* Hypoperfusion intensity ratio, *FD-CTP* Flat panel detector computed tomography perfusion, *mTICI* Modified treatment in cerebral ischemia, *IVT* Intravenous thrombolysis, *ASPECTS* Alberta stroke programme early CT score, *NIHSS* National Institutes of Health Stroke Scale
Supplemental Figure I Study flow chart

All = 36 patients

Delayed contrast bolus arrival = 5 patients

Dispersion of contrast bolus = 1 patient

Included for final analysis = 30 patients
Supplemental Figure II Heatmap showing the consensus ratings for each case for the ASITN/SIR DSA score and the Calgary/Menon mFDCTA score, respectively.