

## ONLINE SUPPLEMENTAL MATERIAL

**Title:** Minor stroke due to large artery occlusion. When is IV thrombolysis not enough?  
Results from the SITS-ISTR registry

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**Online Table 1.** Distribution of arterial sites between groups of patients treated with IVT for acute minor ischemic stroke, with and without nhEND.

**Online Table 2.** Patients excluded from the analysis (n=67) due to having undergone any endovascular procedure during the same acute hospital stay during which the IVT treatment was performed.

**Online Figure 1.** Outcomes at 3 months per the modified Rankin Scale. Patients grouped by site of arterial occlusion at baseline.

**Online Table 1.**

| <b>Site of occlusion</b> | <b>nhEND, n=53</b> |                   | <b>No nhEND, n=534</b> |                   | <i>p</i> Value |
|--------------------------|--------------------|-------------------|------------------------|-------------------|----------------|
|                          | No./Total          | Median (IQR) or % | No./Total              | Median (IQR) or % |                |
| ICA-T or ICA+MCA         | 6                  | 11.3%             | 14                     | 2.6%              | <0.001         |
| ICA                      | 16                 | 30.2%             | 80                     | 15.0%             | 0.002          |
| M1                       | 8                  | 15.1%             | 78                     | 14.6%             | 0.79           |
| M2                       | 8                  | 15.1%             | 129                    | 24.2%             | 0.19           |
| M3                       | 0                  | 0,0%              | 35                     | 6.6%              | 0.062          |
| ACA                      | 2                  | 3.8%              | 10                     | 1.9%              | 0.31           |
| PCA                      | 1                  | 1.9%              | 45                     | 8.4%              | 0.11           |
| Basilar                  | 3                  | 5.7%              | 26                     | 4.9%              | 0.72           |
| Vertebral                | 4                  | 7.6%              | 52                     | 9.7%              | 0.69           |
| Site Unspecified         | 5                  | 9.4%              | 65                     | 12.2%             | 0.65           |

Distribution of arterial sites between groups of patients treated with IVT for acute minor ischemic stroke, with and without nhEND.

**Online Table 2**

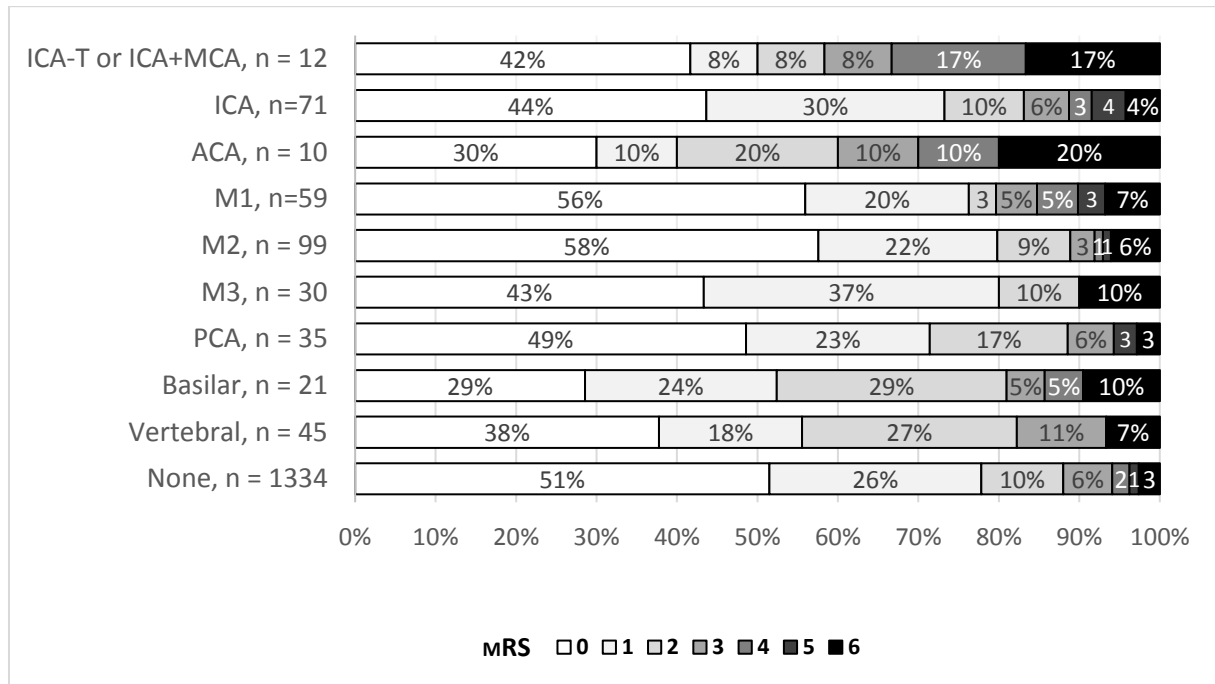
| Occlusion site   | N= | % of all patients<br>with EVT | nhEND %    |
|------------------|----|-------------------------------|------------|
| ICA-T or ICA+MCA | 5  | 7%                            | 2/4 (50%)  |
| ICA              | 5  | 7%                            | 1/5 (20%)  |
| M1               | 15 | 22%                           | 1/14 (7%)  |
| M2               | 10 | 15%                           | 1/8 (13%)  |
| M3               | 1  | 1%                            | 0/1 (0%)   |
| ACA              | 0  | 0%                            | 0/0        |
| PCA              | 2  | 3%                            | 0/2 (0%)   |
| Basilar          | 10 | 15%                           | 3/10 (30%) |
| Vertebral        | 5  | 7%                            | 2/5 (40%)  |
| Site Unspecified | 14 | 21%                           | 4/14 (29%) |

Patients excluded from the analysis (n=67) due to having undergone any endovascular procedure during the same acute hospital stay during which the IVT treatment was performed.

**Online Table 3**

| <b>Site of occlusion</b>  | <b>aOR (95% CI) for nhEND</b> | <b>P</b> |
|---------------------------|-------------------------------|----------|
| ICA-T or ICA+MCA          | 10.3 (4.3-24.9)               | < 0.001  |
| ICA                       | 4.3 (2.5-7.7)                 | < 0.001  |
| ACA                       | 5.9 (1.6-22.1)                | 0.008    |
| MCA-M1                    | 2.1 (0.97-4.4)                | 0.061    |
| MCA-M2                    | 1.6 (0.8-3.1)                 | 0.14     |
| MCA-M3                    | 0.6 (0.1-4.2)                 | 0.57     |
| PCA                       | 0.4 (0.1-3.2)                 | 0.41     |
| Basilar                   | 2.0 (0.6-6.6)                 | 0.26     |
| Vertebral                 | 2.3 (0.96-5.5)                | 0.063    |
| Site unspecified          | 2.7 (1.3-5.7)                 | 0.007    |
| <b>Clinical covariate</b> | <b>aOR (95% CI) for nhEND</b> |          |
| Heart failure             | 1.8 (0.95-3.4)                | 0.07     |
| Diabetes                  | 1.4 (0.95-2.2)                | 0.08     |
| Glucose (per mmol/L)      | 0.99 (0.96-1.02)              | 0.60     |

Sites of occlusion and clinical covariates included in the multivariate logistic regression analysis with nhEND as the predicted outcome. To avoid multicollinearity, diabetes and glucose were alternated in the model.

**Online Figure 1**

Outcomes at 3 months per the modified Rankin Scale (mRS). Patients grouped by site of arterial occlusion at baseline.