Supplemental Tables – Supplemental material for Mechanical Thrombectomy in Stroke Patients of Working Age - Real-world Outcomes in Sweden

Description: Supplemental material for Mechanical Thrombectomy in Stroke Patients of Working Age - Real-world Outcomes in Sweden by Roland et al. in European Stroke Journal.

eTable 1. Univariate and multivariable regression modeling of patient variables for functional independence (mRS 0–2).

| Variable              | Univariate OR (95% CI) | Multivariable OR (95% CI) |
|-----------------------|------------------------|---------------------------|
| Age                   | 0.94 (0.93–0.95)       | 0.94 (0.93–0.95)          |
| Sex (male)            | 1.42 (1.17–1.72)       | 1.47 (1.15–1.87)          |
| Previous stroke       | 0.63 (0.46–0.86)       | —                         |
| Previous TIA          | 0.72 (0.48–1.06)       | —                         |
| Hypertension          | 0.49 (0.41–0.60)       | —                         |
| Diabetes mellitus     | 0.35 (0.26–0.47)       | 0.35 (0.24–0.50)          |
| Atrial fibrillation   | 0.55 (0.45–0.67)       | —                         |
| Smoking               | 0.82 (0.61–1.10)       | —                         |
| Pre-procedure NIHSS   | 0.91 (0.90–0.93)       | 0.91 (0.89–0.93)          |
| IVT                   | 1.74 (1.43–2.10)       | 1.58 (1.24–2.01)          |
| Onset to groin puncture| 0.93 (0.88–0.99)     | —                         |
| Treatment duration    | 0.99 (0.98–0.99)       | 0.99 (0.98–0.99)          |
| Successful recanalization | 3.82 (2.80–5.31) | 3.29 (2.21–5.00) |

Abbreviations: IVT = Intravenous thrombolysis, mRS = modified Rankin Scale, NIHSS = National Institutes of Health Stroke Scale.
eTable 2. Univariate and multivariable regression modeling of patient variables for sICH.

| Variable                  | Univariate OR (95% CI) | Multivariable OR (95% CI) |
|---------------------------|------------------------|---------------------------|
| Age                       | 1.02 (1.00–1.03)       | 1.03 (1.01–1.05)          |
| Sex (male)                | 0.92 (0.65–1.30)       | —                         |
| Previous stroke           | 1.56 (0.94–2.48)       | —                         |
| Previous TIA              | 1.76 (0.94–3.06)       | —                         |
| Hypertension              | 1.12 (0.79–1.61)       | —                         |
| Diabetes mellitus         | 1.84 (1.20–2.75)       | 1.84 (1.08–3.04)          |
| Atrial fibrillation       | 0.89 (0.62–1.27)       | —                         |
| Smoking                   | 1.02 (0.59–1.66)       | —                         |
| Pre-procedure NIHSS       | 0.88 (0.86–0.91)       | 0.88 (0.84–0.91)          |
| IVT                       | 0.64 (0.45–0.91)       | 0.62 (0.40–0.96)          |
| Onset to groin puncture   | 1.19 (1.07–1.32)       | —                         |
| Treatment duration        | 1.02 (1.01–1.02)       | 1.02 (1.01–1.02)          |
| Successful recanalization| 0.23 (0.16–0.34)       | 0.29 (0.18–0.47)          |

Abbreviations: IVT = Intravenous thrombolysis, NIHSS = National Institutes of Health Stroke Scale, sICH = Symptomatic Intracerebral Hemorrhage.
**Table 3. Univariate and multivariable regression modeling of patient variables for mortality at 90 days.**

| Variable              | Univariate OR (95% CI) | Multivariable OR (95% CI) |
|-----------------------|------------------------|----------------------------|
| Age                   | 1.06 (1.04–1.07)       | 1.05 (1.03–1.06)           |
| Sex (male)            | 0.95 (0.75–1.21)       | —                          |
| Previous stroke       | 1.52 (1.07–2.11)       | —                          |
| Previous TIA          | 2.03 (1.34–3.01)       | 1.95 (1.14–3.25)           |
| Hypertension          | 1.66 (1.29–2.15)       | —                          |
| Diabetes mellitus     | 2.22 (1.67–2.93)       | 1.99 (1.38–2.84)           |
| Atrial fibrillation   | 1.57 (1.23–1.99)       | —                          |
| Smoking               | 0.87 (0.58–1.26)       | —                          |
| Pre-procedure NIHSS   | 1.09 (1.07–1.11)       | 1.09 (1.06–1.13)           |
| IVT                   | 0.56 (0.44–0.72)       | 0.58 (0.42–0.79)           |
| Onset to groin puncture| 1.01 (0.94–1.09)      | —                          |
| Treatment duration    | 1.01 (1.01–1.01)       | —                          |
| Successful recanalization | 0.35 (0.27–0.47) | 0.40 (0.28–0.58)          |
| sICH (<36h)           | 3.52 (2.33–5.23)       | 3.95 (2.44–6.36)           |

Abbreviations: IVT = Intravenous thrombolysis, mRS = modified Rankin Scale, NIHSS = National Institutes of Health Stroke Scale, sICH = Symptomatic Intracerebral Hemorrhage.