

Appendix

Supplementary Table 1. The modified thrombolysis in cerebral infarction scale (mTICI)

| Grade | Description |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 0 | No perfusion |
| 1 | Antegrade reperfusion past the initial occlusion, but limited distal branch filling with little or slow distal reperfusion |
| 2 | 2a Antegrade reperfusion of less than half of the occluded target artery previously ischemic territory (e.g., in one major division of the middle cerebral artery [MCA] and its territory) |
| | 2b Antegrade reperfusion of more than half of the previously occluded target artery ischemic territory (e.g., in two major divisions of the MCA and their territories) |
| 3 | Complete antegrade reperfusion of the previously occluded target artery ischemic territory, with an absence of visualized occlusion in all distal branches |

Supplementary Table 2. The modified Rankin Scale (mRS)

| Grade | Description |
|-------|------------------------------------------------------------------------------------------------------------------------------|
| 0 | No symptoms at all |
| 1 | No significant disability despite symptoms; able to carry out all usual duties and activities |
| 2 | Slight disability: unable to carry out all previous activities but able to look after own affairs without assistance |
| 3 | Moderate disability: requiring some help, but able to walk without assistance |
| 4 | Moderately severe disability: unable to walk without assistance, and unable to attend to own bodily needs without assistance |
| 5 | Severe disability: bedridden, incontinent, and requiring constant nursing care and attention |
| 6 | Death |

Supplementary Table 3. National Institute of Health Stroke Scale (NIHSS)

| Item | NIHSS | Score |
|------|---------------|---------------------------------------------------------------------------------------------------------------------|
| 1a | LOC | 0 = Alert 1 = Arousable by minor stimulation 2 = Arousable by strong/repeated stimulation 3 = Unresponsive |
| 1b | LOC questions | 0 = Answers both correctly 1 = Answers one correctly 2 = Answers neither correctly |
| 1c | LOC commands | 0 = Performs both tasks correctly 1 = Performs one task correctly 2 = Performs neither task |
| 2 | Gaze | 0 = Normal 1 = Partial gaze palsy 2 = Forced deviation |

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|----|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Visual | 0 = Normal 1 = Partial hemianopia 2 = Complete hemianopia 3 = Bilateral hemianopia |
| 4 | Facial Palsy | 0 = Normal 1 = Minor 2 = Partial 3 = Complete |
| 5a | Motor Arm (left) | 0 = No drift |
| 5b | Motor Arm (right) | 1 = Drift before 10s |
| 6a | Motor Leg (left) | 2 = Falls before 10s |
| 6b | Motor Leg (right) | 3 = No effort against gravity 4 = No movement UN = Amputation or joint fusion |
| 7 | Limb Ataxia | explain: 0 = Absent 1 = In one limb 2 = In two limbs UN = Amputation or joint fusion |
| 8 | Sensory | 0 = Normal 1 = Mild-to-Moderate loss 2 = Severe-to-total loss |
| 9 | Language | 0 = Normal 1 = Mild-to-Moderate aphasia 2 = Severe aphasia 3 = Mute or global aphasia |
| 10 | Dysarthria | 0 = Normal 1 = Mild-to-Moderate 2 = Severe UN = Intubated |
| 11 | Extinction and Inattention | 0 = Normal 1 = Visual, tactile, auditory, spatial, or personal inattention 2 = Profound hemi-inattention or extinction to more than one modality |

Supplementary Table 4. The Ramsay sedation score

| Score | Description |
|-------|----------------------------------------------------------------------------|
| 1 | Awake; agitated or restless or both |
| 2 | Awake; cooperative, oriented, and tranquil |
| 3 | Awake but responds to commands only |
| 4 | Asleep; brisk response to light glabellar tap or loud auditory stimulus |
| 5 | Asleep; sluggish response to light glabellar tap or loud auditory stimulus |
| 6 | Asleep; no response to glabellar tap or loud auditory stimulus |

