



National Institute of Clinical Studies

APPENDIX G: ROSIER scale

Emergency Department Stroke and Transient Ischaemic Attack Care Bundle:

Information and implementation package

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Suggested citation

National Institute of Clinical Studies. Emergency department stroke and transient ischaemic attack care bundle: information and implementation guide. Melbourne: National Health and Medical Research Council; 2009.

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Endorsements



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Appendix G: ROSIER scale

Recognition of Stroke in the Emergency Room (ROSIER)¹⁸

Assessment Date: _____ Time: _____

Symptom onset Date: _____ Time: _____

GCS E=___ M=___ V=___ BP= ___ / ___ *BG= _____

*If BG < 3.5 mmol/L, treat urgently and reassess once blood glucose normal

Has there been loss of consciousness or syncope? Y (-1) N (0)

Has there been seizure activity? Y (-1) N (0)

Is there a NEW ACUTE onset (or on awakening from sleep)

I. Asymmetric facial weakness Y (+1) N (0)

II. Asymmetric arm weakness Y (+1) N (0)

III. Asymmetric leg weakness Y (+1) N (0)

IV. Speech disturbance Y (+1) N (0)

V. Visual field defect Y (+1) N (0)

Total Score _____ (-2 to +5)

Provisional diagnosis

Stroke Non-stroke (specify) _____

Note: Stroke is unlikely, but not completely excluded if total scores are ≤ 0 .

	ROSIER (95% CI)	CPSS (95% CI)	FAST (95% CI)	LAPSS (95% CI)
Sensitivity	93 (89-97)	85 (80-90)	82 (76-88)	59 (52-66)
Specificity	83 (77-89)	79 (73-85)	83 (77-89)	85 (80-90)
Positive Predictive Value	90 (85-95)	88 (83-93)	89 (84-94)	87 (82-92)
Negative Predictive Value	88 (83-93)	75 (68-82)	73 (66-80)	55 (48-62)

Nor et al 2005^{8,18}