APPENDIX G: ROSIER scale

Emergency Department Stroke and Transient Ischaemic Attack Care Bundle:
Information and implementation package

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ABN: 88 601 010 284

Suggested citation

Other formats
Electronic copies of this publication are available at: www.nhmrc.gov.au/nics

Endorsements

strokefoundation  CENA  

W O R K I N G  T O  B U I L D  A  H E A L T H Y  A U S T R A L I A
Appendix G: ROSIER scale

Recognition of Stroke in the Emergency Room (ROSIER)\(^8\)

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.

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

\(Nor \text{ et al } 2005^{18}\)