APPENDIX G: ROSIER scale

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

© Commonwealth of Australia 2009

Suggested citation

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

Endorsements

Disclaimer
Health professionals are advised to use clinical discretion when applying information contained in this document. NHMRC does not accept liability for any injury, loss or damage incurred by use of or reliance on the information. NHMRC cannot guarantee and assumes no legal liability or responsibility for the currency, completeness or accuracy of the information. The views and opinions expressed in this document do not necessarily represent those of the Australian Government.

National Health and Medical Research Council
National Institute of Clinical Studies
GPO Box 4530 Melbourne VIC 3001
Phone: (03) 8866 0400 Fax: (03) 8866 0499
Email: nhmrc.publications@nhmrc.gov.au (subject line: Stroke care bundle)
Website: www.nhmrc.gov.au/nics
ABN: 88 601 010 284

WORKING TO BUILD A HEALTHY AUSTRALIA
Appendix G: ROSIER scale

Recognition of Stroke in the Emergency Room (ROSIER)\textsuperscript{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.

<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>

\textsuperscript{Nor et al 2005}\textsuperscript{18}