

### G.1.2.3 Short Portable Mental State Questionnaire (SPMSQ)

No. of studies	Study design	Sample size	Sensitivity (95%CI)	Specificity (95%CI)	Effect size (95%CI)	Risk of bias	Inconsistency	Indirectness	Imprecision	Quality
<b>To distinguish Delirium and Delirium superimposed on Dementia from Dementia</b>										
<b>&lt;3 errors</b>										
1 (Erkinjuntti)	Prospective cohort	70	24.0% (13.1, 36.8)	97.9% (89.8, 100)	LR+ 11.50 (0.71, 186.99)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
					LR- 0.78 (0.66, 0.92)	Serious <sup>1</sup>	N/A	Not serious	Not serious	Moderate
<b>&lt;4 errors</b>										
1 (Erkinjuntti)	Prospective cohort	70	57.4% (43.2, 71.1)	91.3% (77.2, 98.9)	LR+ 6.61 (1.72, 25.41)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
					LR- 0.47 (0.33, 0.67)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
<b>&lt;5 errors</b>										

No. of studies	Study design	Sample size	Sensitivity (95%CI)	Specificity (95%CI)	Effect size (95%CI)	Risk of bias	Inconsistency	Indirectness	Imprecision	Quality
1 (Erkinjuntti)	Prospective cohort	70	76.6% (63.6, 87.4)	78.3% (59.7, 92.2)	LR+ 3.52 (1.60, 7.77)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
					LR- 0.30 (0.17,0.52)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
<b>To distinguish Delirium from Delirium superimposed on Dementia</b>										
<b>&lt;3 errors</b>										
1 (Erkinjuntti)	Prospective cohort	70	27.4% (15.2, 41.6)	92.9% (67.0, 100)	LR+ 3.83 (0.25, 57.96)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
					LR- 0.78 (0.59, 1.03)	Serious <sup>1</sup>	N/A	Not serious	Not serious	Moderate
<b>&lt;4 errors</b>										
1 (Erkinjuntti)	Prospective cohort	70	61.0% (45.8, 75.1)	66.7% (28.4, 94.7)	LR+ 1.823 (0.58, 5.82)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
					LR- 0.59 (0.30, 1.16)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
<b>&lt;5 errors</b>										
1 (Erkinjuntti)	Prospective cohort	70	82.9% (70.2, 92.7)	66.7% (28.4, 94.7)	LR+ 2.49 (0.80, 7.78)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
					LR- 0.26 (0.11, 0.62)	Serious <sup>1</sup>	N/A	Not serious	Serious <sup>2</sup>	Low
<ol style="list-style-type: none"> <li>Unclear if people administering SPMSQ were blinded to Dementia Scale diagnosis</li> <li>95% confidence interval for likelihood ratio crosses one end of a defined MID interval – (0.5, 2)</li> </ol>										