P.2.7.33 p-tau 181

Design	Tot al N	Sens (95%CI)	Spec (95%CI)	Meas ure	Summar y of findings (95%CI)	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Quality
ALL EVIDENCE POOLED											
7 × prospecti ve; 2 × retrospe ctive	3,44 8	0.75 (0.62, 0.84)	0.84 (0.76, 0.90)	LR+	4.87 (3.37, 6.92)	V. seriou s	Serio us	Not serious	Not serious		VERY LOW
				LR-	0.30 (0.20, 0.43)	V. seriou s	Serio us	Not serious	Not serious	-	VERY LOW
	7 × prospecti ve; 2 × retrospe	7 × prospecti ve; 3,44 2 × retrospe	7 × prospecti ve; 2 × retrospe	Design al N Sens (95%CI) Spec (95%CI) 7 × prospecti ve; 2 × retrospe 3,44 (0.62, (0.76, 0.90) 0.75 (0.62, (0.76, 0.90))	Design al N Sens (95%CI) Spec (95%CI) Meas ure 7 × prospecti ve; 2 × retrospe 3,44 (0.62, 0.84) 0.75 (0.76, 0.90) LR+	Tot al N (95%CI) Spec (95%CI) Meas ure (95%CI) 7 × prospecti ve; 2 × retrospe 1 0.75 (0.62, 0.84) (0.76, 0.90) 1 0.84 (0.76, 0.90) 1 0.30 (0.20, 0.20)	Tot al N (95%CI) Spec (95%CI) Meas ure (95%CI) of findings (95%CI)	7 × prospecti ve; 2 × retrospe 3,44 8 0.75 0.84 (0.62, 0.84) 0.90) LR+ 4.87 (3.37, seriou us ve; 0.30 V. Serio us ve; 0.20, seriou us ve; 0.20, se	7 × prospecti ve; 2 × retrospe 3,44 8 0.75 (0.62, 0.84) 0.90)	7 × prospecti ve; 2 × retrospe 3,44 8 0.75 (0.62, 0.84) 0.90)	7 × prospecti ve; 2 × retrospe 3,44 8 retrospe 0.75 (0.62, 0.84) 0.76 (0.76, 0.90) 0.84 (0.76, 0.90) V. seriou serious ser

Notes on risk of bias

Mulder 2010: It is unclear whether participants were consecutively or randomly recruited; the test cut offs were not pre-specified but selected to obtain 85% sensitivity; the timing between the reference and index tests is unclear and it is unclear whether the index test was interpreted independently of the reference test results

Gabelle 2012: Test thresholds were not pre-specified, but optimised based on the data; it was unclear whether the study enrolled random or consecutive people or avoided inappropriate exclusions. A subgroup analysis was carried out but as < 10% population was excluded the study was not downgraded for this.

Dumurgier 2015: The reference standard diagnosis included consideration of the CSF results; the test cut offs were not pre-specified; patients with unknown clinical diagnoses or MCI were excluded from the study and the timing of the reference and index tests is unclear.

Additional notes: the Dumurgier study had 3 independent data sets from 3 different clinics; the Gabelle study had 2 independent data sets from 2 clinics.

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