P.2.20 FTD versus AD

P.2.20.1 99mTc-HMPAO SPECT

Studies	Design	Total N	Sens (95%CI)	Spec (95%CI)	Measure	Summary of findings (95%CI)	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Quality
SINGLE CAMERA												
4 studies (Launes 1991; Read 1995; Talbot 1998; Velakoulis 1997)	3 × prospective; 1 × retrospective	291	0.51 (0.35, 0.67)	0.96 (0.92, 0.98)	LR+	13.11 (6.13, 28.05)	V. serious	Not serious	Not serious	Not serious	-	LOW
					LR-	0.55 (0.45, 0.66)	V. serious	Not serious	Not serious	Serious		VERY LOW
MULTIPLE CAMERA												
2 studies (Boutoleau-Bretonniere 2012; Rollin-Sillaire 2012)	1 × prospective; 1 × retrospective	64	0.73 (0.52, 0.87)	0.96 (0.82, 0.99)	LR+	18.12 (3.71, 88.60)	V. serious	Not serious	Not serious	Not serious	-	LOW
					LR-	0.28 (0.15, 0.54)	V. serious	Not serious	Not serious	Serious		VERY LOW
ALL EVIDENCE POOLED												
6 studies (Boutoleau-Bretonniere 2012; Launes 1991; Read 1995; Rollin-Sillaire 2012; Talbot 1998; Velakoulis 1997)	4 × prospective; 2 × retrospective	355	0.58 (0.44, 0.72)	0.96 (0.92, 0.98)	LR+	13.50 (6.77, 24.20)	V. serious	Not serious	Not serious	Not serious	-	LOW
					LR-	0.44 (0.30, 0.59)	V. serious	Not serious	Not serious	Serious		VERY LOW

Studies	Design	Total N	Sens (95%CI)	Spec (95%CI)	Measure	Summary of findings (95%CI)	Risk of bias	Inconsistency	Indirectness	Imprecision	Other considerations	Quality

Notes on risk of bias

Launes 1991: Subgroup analysis used with >10% study population excluded.

Read 1995: Subgroup analysis used with >10% study population excluded; unclear whether random or consecutive patient enrolment was used; unclear if inappropriate exclusions avoided.

Velakoulis 1997: Subgroup analysis where >10% study population excluded and it was unclear whether: the index test results were interpreted without knowledge of the results of the reference standard; the index test threshold was pre-specified or the reference standard results interpreted without knowledge of the results of the index test.

Talbot 1998: Unclear if avoided inappropriate exclusions; unclear whether the reference standard results were interpreted without knowledge of the index test and whether the index test was carried out without knowledge of reference test result; no pre-specified index test threshold; subgroup analysis used with >10% study population excluded.

Boutoleau-Bretonniere 2012: Loss to follow up of 6/69 patients; unclear about consecutive versus random enrolment of patients; reference diagnosis made at 24 month follow up with index tests carried out at baseline and again at 24 months in some cases; subgroup analysis used with >10% study population discarded.

Rollin-Sillaire 2012: Subgroup analysis where >10% study population excluded