

## FDG-PET + clinical diagnosis vs. clinical diagnosis for diagnosing AD

Study	Methodology/ Design	Study Population	Results			Validity /Conclusions	
Jagust et al 2007		Inclusion: Subjects with a clinical evaluation,	Sensitivity, specificity, PPV, and NPV of clinical diagnosis at the initial and final examination and the addition of			Validity: -Diagnosis was established by a	
Study type:		pathologic examination,	FD0		e initial examination		multidisciplinary team.
Retrospective		and a FDG-PET scan.		Initial	Initial + PET	Final	-Two raters reviewed the results of
cohort	Final evaluation		Sensitivity	76%	84%	88%	each PET scan.
		Exclusion:	Specificity	58%	74%	63%	-Confidence intervals were not
Objective: To	Versus	Uninterpretable PET	PPV	70%	81%	76%	reported.
evaluate the		scan.	NPV	65%	78%	80%	-Small sample size.
	Clinical evaluation + FDG- PET	Sample size: N=44	Abbreviations: PPV= positive predictive value; NPV= negative predictive value.				-There was a delay between initial examination and PET examination.
imaging diagnoses		<u>Odmpie 3126</u> . 14–44	predictive value.				PET imaging was performed an
	Gold Standard: Postmortem	Baseline characteristics:	Inter-rater relia	bility			average of 1.3 years after initial
		66% men and mean age	There was modest agreement between the two raters (kappa				examination.
Primary outcomes:	. 0	at initial examination 75	0.43).	· ·			onanimation.
	Blinding: FDG-PET raters	years.					Conclusion: The results of this study
specificity.	were blinded to the clinical						suggest that the addition of FDG-
	and pathologic diagnosis.						PET to the initial clinical diagnosis of
							AD increased the sensitivity and
							specificity of the diagnosis; however,
							it is unknown whether these results
							will translate into clinical practice as
							two reviews rated each PET scan
							and the diagnosis of AD was
							determined at a multidisciplinary
							conference after review of all clinical
							data.

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