

Supplementary Data

Performance of A β ₁₋₄₀, A β ₁₋₄₂, Total Tau, and Phosphorylated Tau as Predictors of Dementia in a Cohort of Patients with Mild Cognitive Impairment

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Handling Associate Editor: Barbara Borroni

Accepted 24 November 2011

Supplementary Table 1

Value of intra and inter-assay CVs for the biomarkers studied

	Biomarkers	CV
Intra-assay	A β ₁₋₄₀	5.84%
	A β ₁₋₄₂	4.60%
	t-tau	5.40%
	p-tau	6.30%
Inter-assay	A β ₁₋₄₀	8.26%
	A β ₁₋₄₂	5.50%
	t-tau	6.00%
	p-tau	7.20%

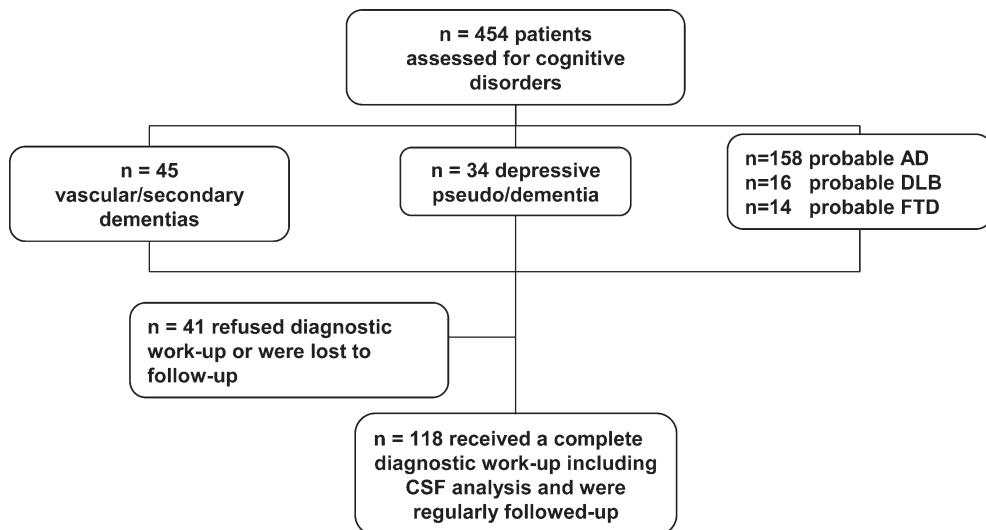
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Supplementary Table 2

Biomarkers	AD vs. OND				MCI-AD vs. MCI-MCI			
	Sensitivity (%)	Specificity (%)	AUC	Cut-off value	Sensitivity (%)	Specificity (%)	AUC	Cut-off value
A β ₁₋₄₀	61 (95% CI: 40–78)	46 (95% CI: 27–66)	0.57	>10161.0	62 (95% CI: 38–82)	53 (95% CI: 36–69)	0.52	<12282.0
A β ₁₋₄₂	63 (95% CI: 42–81)	79 (95% CI: 59–92)	0.70	<500.0	56 (95% CI: 38–74)	96 (95% CI: 88–99)	0.85	<420.5
t-tau	82 (95% CI: 62–94)	93 (95% CI: 76–99)	0.90	>382.5	62 (95% CI: 44–79)	88 (95% CI: 77–95)	0.75	>405.5
p-tau	64 (95% CI: 42–82)	89 (95% CI: 72–98)	0.79	>59.0	81 (95% CI: 62–92)	90 (95% CI: 79–96)	0.88	>62.0
A β ₁₋₄₂ /A β ₁₋₄₀	74 (95% CI: 54–89)	79 (95% CI: 59–92)	0.78	<5.0	71 (95% CI: 48–89)	92 (95% CI: 79–98)	0.82	<5.3
A β ₁₋₄₂ /t-tau	78 (95% CI: 58–91)	89 (95% CI: 72–98)	0.89	<125.3	94 (95% CI: 79–99)	65 (95% CI: 52–77)	0.86	<347.6
A β ₁₋₄₂ /p-tau	83 (95% CI: 63–95)	82 (95% CI: 63–94)	0.84	<1372.0	81 (95% CI: 63–93)	95 (95% CI: 86–99)	0.95	<1074.0

Values of sensitivity (%), specificity (%), 95% CI, cut-offs and Area Under the Curve (AUC) for OND vs. AD and MCI-AD vs. MCI-MCI, for single biomarkers and ratios.



Supplementary Fig. 1. Flow-chart of the patients referring for diagnostic assessment of cognitive disturbances in the period 2005–2007.