

Supplementary Table 1. Hippocampal volume analysis

Hippocampal volume variation over time – Wilcoxon paired test

Hippocampus													
	T	All subjects			ncMCI			cMCI			ADD		
		M	SD	p	M	SD	p	M	SD	p	M	SD	p
Left	Bas	0.472	0.060	0.003*	0.483	0.054	0.304	0.455	0.072	0.027*	0.476	0.050	0.099
	FU	0.445	0.066		0.475	0.049		0.413	0.074		0.429	0.061	
Right	Bas	0.462	0.066	0.015*	0.470	0.061	0.889	0.456	0.066	0.011*	0.457	0.077	0.060
	FU	0.440	0.068		0.474	0.051		0.410	0.069		0.415	0.060	

Hippocampal volume difference among groups – Kruskal Wallis test and Mann-Whitney post-hoc

Hippocampus	T	KW	Mann-Whitney p-value		
		p-value	cMCI vs ADD	cMCI vs ncMCI	ADD vs ncMCI
Left	Bas	0.387			
	FU	0.004*	0.497	0.001*	0.042*
Right	Bas	0.679			
	FU	0.002*	0.959	0.002*	0.007*

Legend to tables. ADD: Alzheimer's Disease Dementia; Bas: Baseline; ES: Effect size; FU: Follow-up; M: Mean; MCI: Mild Cognitive Impairment; cMCI: MCI converter; ncMCI: MCI non-converter; SD: Standard Deviation; T: time; *statistically significant for $p < 0.05$.

From the paper "The degeneration of Locus Coeruleus occurring during Alzheimer's Disease clinical progression: a neuroimaging follow-up investigation" published on "Brain Structure and Function" by Alessandro Galgani, Francesco Lombardo, Francesca Frija, Nicola Martini, Gloria Tognoni, Nicola Pavese and Filippo S. Giorgi. (*Corresponding author: Department of Translational Research and of New Surgical and Medical Technologies, University of Pisa. e-mail address: filippo.giorgi@unipi.it).*