

Supplementary Material

Low Serum Insulin-like Growth Factor-I Is Associated with Decline in Hippocampal Volume in Stable Mild Cognitive Impairment but not in Alzheimer's Disease

Supplementary Table 1. Baseline demographic characteristics according to MRI follow-up status.

	Patients with MRI follow-up			Patients with no MRI follow-up		
	sMCI (n = 58)	AD (n = 29)	<i>p</i>	sMCI (n = 52)	AD (n = 31)	<i>p</i>
Men/women, n (%)	24/34 (41%/59%)	14/15 (48%/52%)	0.54	16/36 (31%/69%)	14/17 (45%/55%)	0.19
Age (y)	64.5 (60.0-71.0)	66.0 (63.0-73.5)	0.18	62.0 (58.0-70.8)	70.0 (62.0-76.0)	<0.01
Education (y)	14.0 (11.0-16.0)	13.0 (12.0-15.0)	0.59	13.0 (11.0-15.8)	12.0 (8.0-16.0)	0.16
BMI (kg/m ²)	23.5 (21.9-26.5)	23.6 (21.0-25.4)	0.35	26.0 (23.0-28.4) *	24.3 (21.7-26.0)	0.03
MMSE score	29.0 (28.0-30.0)	27.0 (25.3-27.8)	<0.0001	29.0 (28.0-30.0)	25.0 (23.8-28.0)	<0.0001
RAVLT delayed recall score	8.0 (4.0-10.0)	1.0 (0.0-3.0)	<0.0001	8.5 (5.3-11.0)	1.5 (0.0-3.3)	<0.0001
CSF A β ₁₋₄₂ (ng/L)	580 (460-805)	354 (300-480)	<0.001	644 (459-775)	370 (240-420)	<0.0001
CSF T-tau (ng/L)	335 (226-490)	499 (350-700)	<0.01	295 (198-409)	548 (388-820)	<0.0001
CSF P-tau (ng/L)	54 (40-87)	77 (52-85)	0.02	46 (36-58) *	82 (62-103)	<0.0001
APOE ϵ 4 allele (0/1/2; n, %)	28/23/4 (48%/40%/7%)	8/13/6 (28%/45%/21%)	0.07	27/17/3 (52%/33%/6%)	8/15/6 (26%/48%/19%)	0.02
S – IGF-I (ng/mL)	116 (96-145)	113 (96-146)	0.93	106 (90-131)	123 (95-146)	0.12

Values are given as the median (25th–75th percentiles) if not otherwise stated. Between-group differences were examined using Mann-Whitney U tests for continuous data and chi-square tests for categorical data.

**p*<0.05 versus sMCI patients with MRI follow-up

A β , amyloid- β ; AD, Alzheimer's disease; APOE - *Apolipoprotein E*; BMI, body mass index; CSF, cerebrospinal fluid; MMSE, Mini-Mental State Examination; MRI, magnetic resonance imaging; P-tau, phosphorylated tau; RAVLT, Rey Auditory Verbal Learning Test; S-IGF-I, serum insulin like growth factor-I; sMCI, stable mild cognitive impairment; T-tau, total tau