Positive Association between Plasma Amylin and Cognition in a Homebound Elderly Population

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Supplement Table: No association between plasma Aβ or insulin and cognitive tests in multivariate regression analyses

Log_{10} Aβ / Outcomes	Log_{10} Aβ1-42 Adjusting for age, gender, ethnicity, school and ApoE4		Log_{10} Aβ1-40 Adjusting for age, gender, ethnicity, school and ApoE4		Log_{10} Insulin Adjusting for age, gender, ethnicity, school and ApoE4	
	Estimate β (SE)	p value	Estimate β (SE)	p value	Estimate β (SE)	p value
MMSE Scores	+ 0.221 (0.113)	0.05	+ 0.024 (0.170)	0.89	- 0.051 (0.123)	0.68
Verbal fluency	- 0.072 (0.419)	0.86	- 0.807 (0.632)	0.20	- 0.167 (0.453)	0.71
Digit span	- 0.011 (0.124)	0.93	- 0.291 (0.187)	0.12	- 0.171 (0.135)	0.21
WLL delayed recall	- 0.104 (0.095)	0.27	- 0.104 (0.143)	0.47	+ 0.075 (0.103)	0.47
LM delayed recall	+ 0.404 (0.324)	0.21	+ 0.691 (0.487)	0.16	+ 0.514 (0.353)	0.12
Trailmaking A	- 1.845 (2.069)	0.37	- 2.179 (3.081)	0.68	- 3.229 (2.232)	0.15
Trailmaking B	- 4.179 (2.737)	0.13	- 0.733 (4.077)	0.86	- 0.724 (2.945)	0.81
Block design	+ 0.551 (0.300)	0.07	+ 0.517 (0.459)	0.26	+ 0.324 (0.332)	0.33

Plasma Aβ1-42 (Log_{10} Aβ1-42), Aβ1-40 (Log_{10} Aβ1-40) and insulin (Log_{10} Insulin) were all transformed to log_{10} as a determining factor in each model. The lipid profile includes cholesterol, LDL and HDL. MMSE = Mini Mental State Exam; WLL = Word learning list; LM = Logical memory