

Supplementary Online Content

Mattsson N, Andreasson U, Zetterberg H, Blennow K; Alzheimer's Disease Neuroimaging Initiative. Association of plasma neurofilament light with neurodegeneration in patients with Alzheimer disease. *JAMA Neurol*. Published online March 27, 2017. doi:10.1001/jamaneurol.2016.6117

eTable. Associations Between Plasma NFL and Cognition and Neuroimaging

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Associations Between Plasma NFL and Cognition and Neuroimaging

Outcome	Baseline		Longitudinally	
	β	p-value	β	p-value
MMSE	-0.0725	<0.001	-0.116	<0.001
ADAS-cog	0.101	<0.001	0.106	<0.001
Logical Memory delayed recall	0.00032	0.99	-0.0269	<0.001
TMT-B	0.0823	0.023	0.0380	0.0012
Digit Symbol	-0.0692	0.056	-0.0378	<0.001
White matter hyperintensities	0.00437	0.90	0.0291	0.12
Lateral ventricles	0.145	<0.001	0.0319	<0.001
Hippocampal volume	-0.124	<0.001	-0.0189	<0.001
AD-cortex thickness	-0.162	<0.001	-0.0489	<0.001
FDG	-0.0846	0.10	-0.0474	<0.001

Results from linear mixed effects models, adjusted for age, sex, education, *APOE* ϵ 4, diagnosis, and (for ventricle volume and hippocampal volume) intracranial volume. All outcome measures were standardized to z-scores to facilitate comparisons between models.