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  | p-value | Longitudinally | 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 ε4, diagnosis, and (for ventricle volume and hippocampal volume) intracranial volume. All outcome measures were standardized to z-scores to facilitate comparisons between models.