**Supplementary material**



**Figure S1 Correlations among CSF and plasma Aβ42/Aβ40 assessed by N3PA and N4PE assays.** Heatmap presenting results of Spearman correlation analysis for CSF and plasma Aβ42/Aβ40 assessed across the whole cohort by N3PA and N4PE assays. The color gradient indicates the strength of correlation according to Spearman ρ.

Obraz zawierający tekst, diagram, zrzut ekranu, linia

Opis wygenerowany automatycznie**Figure S2** Plasma Aβ42/40among patients with and without chronic kidney disease (CKD) as assessed by e-GFR. e-GFR calculated by the Chronic Kidney Disease-Epidemiology Collaboration (CKD-EPI) formula with cut-off = 60 (mL/min/1.73m2).

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| --- | --- | --- | --- |
| **Comparison** | **Aβ42/40 assay** | **AUC non-adjusted** | **95% CI (Wilson/Brown)** |
|  |
| **CSF CTRL vs. AD-dem** | N4PE | 0.992 | 0.977-1.000 |  |
| N3PA | 0.999 | 0.994-1.000 |  |
| **CSF CTRL vs. MCI-AD** | N4PE | 1 | 0.994-1.000 |  |
| N3PA | 1.000 | 0.998-1.000 |  |
| **CSF CTRL vs. pre-AD** | N4PE | 0.997 | 0.990-1.000 |  |
| N3PA | 0.999 | 0.996-1.000 |  |
| **Plasma CTRL vs. AD-dem** | N4PE | 0.773 | 0.664-0.882 |  |
| N3PA | 0.684 | 0.557-0.811 |  |
| **Plasma CTRL vs. MCI-AD** | N4PE | 0.793 | 0.694-0.892 |  |
| N3PA | 0.716 | 0.596-0.837 |  |
| **Plasma CTRL vs. pre-AD** | N4PE | 0.914 | 0.834-0.994 |  |
| N3PA | 0.726 | 0.595-0.857 |  |
|  |  |  |  |  |

**Table S1** Area Under Curve (AUC) values for comparison of the accuracy of each assay to discriminate between control group and different AD continuum stages (pre-AD, MCI-AD, AD-dem). AUC values with 95% CI calculated by using Wilson/Brown method and AUC values for age- and gender-adjusted AUC with 95% CI calculated by using 2000 bootstrap replicates. AD: Alzheimer’s disease, pre-AD: preclinical AD, MCI-AD: mild cognitive impairment due to AD, AD-dem: AD at dementia stage, CTRL: control group.