**Supplementary Material**

**Characteristic Biomarker and Cognitive Profile in Incipient Mixed Dementia**

**Supplementary Table 1.** Baseline values for dementia patients compared to controls.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | AD | Mix | SVD | Controls |
| **Aβ42** | 405.4±194\*\* | 396.8±149\*\* | 575.5±220\* | 710.7±249 |
| AUC | 0.85 | 0.89 | 0.62 |  |
| Cut-off | 497.0 | 496.0 | 789.0 |  |
| **T-tau** | 720.1±387\*\* | 724.7±352\*\* | 364.5±157 | 303.4±133 |
| AUC | 0.84 | 0.90 | 0.61 |  |
| Cut-off | 454.0 | 465.0 | 281.5 |  |
| **P-tau** | 91.0±40\*\* | 97.9±52\*\* | 53.5±18 | 48.9±16 |
| AUC | 0.88 | 0.84 | 0.57 |  |
| Cut-off | 75.5 | 81.0 | 56.5 |  |
| **Left HC** | 2805.9±592\*\* | 2701.9±672\*\* |  | 3704.5±725 |
| AUC | 0.86 | 0.89 |  |  |
| Cut-off | 3155.9 | 3350.7 |  |  |
| **3rd ventricle** | 2179.3±729\*\* |  |  | 1521.4±765 |
| AUC | 0.79 |  |  |  |
| Cut-off | 1710.3 |  |  |  |
| **Left ERC** | 1404.5±399\*\* |  |  | 1934.9±309 |
| AUC | 0.82 |  |  |  |
| Cut-off | 1627.5 |  |  |  |
| **Right caudate** |  | 3548.0±909 |  | 3531.8±806 |
| AUC |  | 0.51 |  |  |
| Cut-off |  | 2957.0 |  |  |
| **Right paracentral vol.** |  | 3538.7±781 |  | 3525.5±766 |
| AUC |  | 0.49 |  |  |
| Cut-off |  | 3859.0 |  |  |
| **RAVLT TL** | 23.3±6.9\*\* |  |  | 39.7±11 |
| AUC | 0.92 |  |  |  |
| Cut-off | 28.5 |  |  |  |
| **RAVLT DR** |  | 1.8±2.3\*\* |  | 7.5±3.9 |
| AUC |  | 0.90 |  |  |
| Cut-off |  | 4.5 |  |  |
| **F-A-S** | 27.5±11.4\*\* |  |  | 41.4±13.6 |
| AUC | 0.79 |  |  |  |
| Cut-off | 33.5 |  |  |  |
| **RCF copy** | 25.2±9.4\*\* |  |  | 32.3±3.2 |
| AUC | 0.76 |  |  |  |
| Cut-off | 28.5 |  |  |  |
| **Token test** |  | 13.6±4.5\*\* |  | 20.3±1.9 |
| AUC |  | 0.95 |  |  |
| Cut-off |  | 18.5 |  |  |
| **TMT A** |  |  | 71.9±26.9\*\* | 40.8±12.9 |
| AUC |  |  | 0.85 |  |
| Cut-off |  |  | 56.5 |  |

CSF markers (ng/L), volumetric data (cm³) and neuropsychological test scores are presented as mean value ± SD. AUC: area under the curve.

\*p-value < 0.05 versus Controls, \*\*p-value < 0.001 versus Controls