

Supplementary Material

Improved Alzheimer's Disease versus Frontotemporal Lobar Degeneration Differential Diagnosis Combining EEG and Neurochemical Biomarkers: A Pilot Study

Supplementary Table 1. CSF (top four rows) and EEG (bottom four rows) biomarker averages and standard deviations for the whole group. p-values calculated with a two-sided two-sample Student t-test with unequal variances.

Whole	AD	FTLD	p
Tau (pg/mL)	736.7 ± 439.6	390.7 ± 198.2	0.0000975
Aβ ₁₋₄₂ (pg/mL)	486.3 ± 124.7	878.3 ± 280.8	2.53E-08
Ptau (pg/mL)	90.2 ± 38.4	53.8 ± 31.9	0.0000929
NfL (pg/mL)	3324.9 ± 3737.6	3482.2 ± 2281.6	0.835
Freq_F	7.21 ± 1.38	8.69 ± 1.79	0.000576
Freq_P	7.54 ± 1.61	8.80 ± 1.38	0.00122
Freq_L	7.57 ± 1.65	8.33 ± 1.37	0.0485
Freq_R	7.54 ± 1.35	8.76 ± 1.23	0.000304

Supplementary Table 2. CSF (top four rows) and EEG (bottom four rows) biomarker averages and standard deviations for the definite group. p-values calculated with a two-sided two-sample Student t-test with unequal variances.

Definite	AD	FTLD	p
Tau (pg/mL)	730.4 ± 501.8	380.4 ± 120.3	0.0159
Aβ ₁₋₄₂ (pg/mL)	484.4 ± 123.4	840.8 ± 184.8	0.000375
Ptau (pg/mL)	91.6 ± 44.9	44.2 ± 19.8	0.00152
NfL (pg/mL)	3236.5 ± 4259.2	5947.8 ± 2015.4	0.0449
Freq_F	6.61 ± 1.01	9.85 ± 1.99	0.00142
Freq_P	6.90 ± 1.21	9.49 ± 0.91	0.00000865
Freq_L	7.18 ± 1.81	8.65 ± 1.13	0.0229
Freq_R	7.16 ± 1.21	8.69 ± 1.10	0.00630