Supplementary Table 1. MVMRSa scores according to age.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | age | n | mean ± SDb | KW† | *p\** |
| SAsc | 60–65 | 14 | 3.57 ± 1.15 | 24.352 | *0.000* |
| 66–80 | 60 | 5.28 ± 2.16 |
| >81 | 23 | 6.87 ± 1.25 |
| VAsd | 60–65 | 14 | 2.71 ± 1.14 | 19.778 | *0.000* |
| 66–80 | 60 | 3.93 ± 1.72 |
| >81 | 23 | 5.22 ± 1.65 |
| MTAse | 60–65 | 14 | 1.14 ± 0.66 | 14.547 | *0.001* |
| 66–80 | 60 | 1.68 ± 0.91 |
| >81 | 23 | 2.39 ± 1.08 |
| PWMHsf | 60–65 | 14 | 0.86 ± 0.86 | 6.358 | *0.042* |
| 66–80 | 60 | 1.22 ± 1.18 |
| >81 | 23 | 1.70 ± 0.97 |
| SCWMHsg | 60–65 | 14 | 1.07 ± 1.07 | 9.130 | *0.010* |
| 66–80 | 60 | 2.12 ± 1.09 |
| >81 | 23 | 2.04 ± 1.11 |
| BGIsh | 60–65 | 14 | 0.00 ± 0.00 | 2.724 | 0.256 |
| 66–80 | 60 | 0.20 ± 0.48 |
| >81 | 23 | 0.17 ± 0.39 |
| ITIsi | 60–65 | 14 | 0.00 ± 0.00 | 5.143 | 0.076 |
| 66–80 | 60 | 0.05 ± 0.22 |
| >81 | 23 | 0.22 ± 0.52 |
| Tsj | 60–65 | 14 | 9.36 ± 2.90 | 29.863 | *0.000* |
| 66–80 | 60 | 14.48 ± 4.56 |
| >81 | 23 | 18.61 ± 4.11 |

\**p*< 0.05 is considered statistically significant. †KW: Kruskall Wallis H-test, aMVMRS: Modified visual MRI rating scale, bSD: Standard deviation, cSAs: Sulcal atrophy score, dVAs: Ventricular atrophy score, eMTAs: Medial temporal lobe atrophy score, fPWMHs: Periventricular white matter hyperintensity score, gSCWMHs: Subcortical white matter hyperintensity score, hBGIs: Basal ganglia infarct score, iITIs: Infratentorial infarct score, jTs: total score.

Supplementary Table 2. MVMRSa scores according to gender.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Female (n=50)  mean ± SDb | Male (n=47)  mean ± SD | MW† | *p*\* |
| SAsc | 4.74 ± 2.21 | 6.13 ± 1.73 | 747.000 | *0.002* |
| VAsd | 3.42 ± 1.54 | 4.74 ± 1.80 | 694.500 | *0.000* |
| MTAse | 1.44 ± 0.84 | 2.13 ± 1.04 | 730.500 | *0.001* |
| PWMHsf | 1.02 ± 0.84 | 1.55 ± 1.30 | 918.000 | 0.054 |
| SCWMHsg | 1.88 ± 1.04 | 2.02 ± 1.24 | 1083.500 | 0.493 |
| BGIsh | 0.10 ± 0.30 | 0.23 ± 0.52 | 1062.500 | 0.183 |
| ITIsi | 0.06 ± 0.31 | 0.11 ± 0.31 | 1099.500 | 0.224 |
| Tsj | 12.66 ± 4.34 | 16.91 ± 4.89 | 594.500 | *0.000* |

\**p*< 0.05 is considered statistically significant. †MW: Mann Whitney-U test, aMVMRS: Modified visual MRI rating scale, bSD: Standard deviation, cSAs: Sulcal atrophy score, dVAs: Ventricular atrophy score, eMTAs: Medial temporal lobe atrophy score, fPWMHs: Periventricular white matter hyperintensity score, gSCWMHs: Subcortical white matter hyperintensity score, hBGIs: Basal ganglia infarct score, iITIs: Infratentorial infarct score, jTs: total score.

Supplementary Table 3. MVMRSa scores according to presence of complaints.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | With Complaint  mean ± SDb | No Complaint  mean ± SD | MW† | *p*\* |
| Attention deficits | VAsc | 2.57 ± 0.79 | 4.18 ± 0.80 | 154.500 | *0.022* |
| PWMHsd | 0.29 ± 0.49 | 1.36 ± 1.11 | 133.500 | *0.009* |
| Tse | 10.29 ± 2.81 | 15.07 ± 5.04 | 129.000 | *0.009* |
| Walking and balance impairment | SAsf | 6.89 ± 1.69 | 5.26 ± 2.09 | 230.000 | *0.037* |
| VAs | 5.67 ± 1.80 | 3.90 ± 1.72 | 192.500 | *0.009* |
| Ts | 19.00 ± 4.74 | 14.28 ± 4.91 | 184.000 | *0.008* |
| Depressive symptoms | BGIsg | 0.44 ± 4.74 | 0.11 ± 0.32 | 508.500 | *0.026* |

\**p*< 0.05 is considered statistically significant. †MW: Mann Whitney-U test, aMVMRS: Modified visual MRI rating scale, bSD: Standard deviation, cVAs: Ventricular atrophy score, dPWMHs: Periventricular white matter hyperintensity score, eTs: total score, fSAs: Sulcal atrophy score, gBGIs: Basal ganglia infarct score.

Supplementary Table 4. MVMRSa scores according to MMSEb and CDRc.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | MMSE (n=50) | | CDR (n=50) | |
| *r* | *p\** | *r* | *p\** |
| SAsd | -0.258 | *0.011* | 0.035 | 0.811 |
| VAse | -0.288 | *0.004* | 0.208 | 0.147 |
| MTAsf | -0.326 | *0.001* | 0.298 | *0.035* |
| PWMHsg | -0.144 | 0.159 | 0.323 | *0.022* |
| SCWMHsh | -0.218 | *0.032* | 0.185 | 0.199 |
| BGIsi | -0.019 | 0.850 | 0.196 | 0.172 |
| ITIsj | -0,172 | 0.092 | 0.101 | 0.486 |
| Tsk | -0.379 | *0.000* | 0.285 | *0.045* |

\**p*< 0.05 is considered statistically significant. aMVMRS: Modified visual MRI rating scale, bMMSE: Mini Mental State Examination, cCDR: Clinical dementia rating scale, dSAs: Sulcal atrophy score, eVAs: Ventricular atrophy score, fMTAs: Medial temporal lobe atrophy score, gPWMHs: Periventricular white matter hyperintensity score, hSCWMHs: Subcortical white matter hyperintensity score, iBGIs: Basal ganglia infarct score, jITIs: Infratentorial infarct score, kTs: total score.

Supplementary Table 5. MVMRSa scores according to EEGb.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Normal  mean ± SDc | Bioelectrical disorganization  mean ± SD | MW† | *p*\* |
| VAsd | 3.95 ± 1.64 | 5.14 ± 1.79 | 161.500 | *0.022* |
| MTAse | 1.77 ± 0.87 | 2.57 ± 1.28 | 163.500 | *0.020* |

\**p*< 0.05 is considered statistically significant. †MW: Mann Whitney-U test, aMVMRS: Modified visual MRI rating scale, bEEG: Electroencephalography, cSD: Standard deviation, dVAs: Ventricular atrophy score, eMTAs: Medial temporal lobe atrophy score.