**Supplementary Table 1. Associations between DTI metrics and conventional neuroimaging markers of cSVD in probable-CAA subjects.**

**Legend.** Linear regression models with global PSMD, MD, or FA as the dependent variable, adjusted for age. The provided standardized beta coefficients, confidence intervals, and original *p*-values reflect the obtained independent predictive of the listed MRI marker with regards to PSMD, MD or FA. \*Statistically significant in models not corrected for multiple comparisons. †Statistically significant after FDR correction within each model (that is, by column of this table). Abbreviations: BG-PVS = perivascular spaces in the basal ganglia; CI = confidence interval; CMB = cerebral microbleeds; CMI = cortical cerebral microinfarcts; CSO-PVS = perivascular spaces in the centrum semiovale; cSS = cortical superficial siderosis; ICV = intracranial volume; nTBV = normalized total brain volume; nWMHV = normalized white matter hyperintensities volume; Std.Beta = standardized beta coefficient.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Probable CAA**  **n=43** | **PSMD** | | | | | **MD** | | | | | **FA** | | | | |
| **Std.Beta** | **95% CI** | | **R2** | ***p*** | **Std.Beta** | **95% CI** | | **R2** | ***p*** | **Std.Beta** | **95% CI** | | **R2** | ***p*** |
| **cSVD markers** |  | | | | |  | | | | |  | | | | |
| Lobar CMB, count | 0.159 | -0.153 | 0.472 | 0.060 | .310 | 0.403 | 0.111 | 0.694 | 0.182 | .008\*† | -0.285 | -0.594 | -0024 | 0.082 | .069 |
| cSS, presence | 0.112 | -0.208 | 0.432 | 0.047 | .483 | 0.329 | 0.023 | 0.636 | 0.126 | .036\* | -0.310 | -0.622 | 0.001 | 0.094 | .051 |
| Lacune, count | 0.381 | 0.091 | 0.671 | 0.180 | .011\*† | 0.144 | -0.169 | 0.456 | 0.043 | .359 | -0.241 | -0.551 | 0.069 | 0.060 | .124 |
| nWMHV (%ICV) | 0.859 | 0.688 | 1.030 | 0.731 | <.001\* | 0.352 | 0.046 | 0.657 | 0.139 | .025\* | -0.551 | -0.829 | -0.274 | 0.289 | <.001\*† |
| Cortical CMI, count | 0.398 | 0.109 | 0.687 | 0.192 | .008\*† | 0.218 | -0.092 | 0.527 | 0.069 | .163 | -0.265 | -0.575 | 0.044 | 0.072 | .091 |
| CSO PVS, score | 0.214 | -0.101 | 0.529 | 0.078 | .178 | 0.584 | 0.319 | 0.850 | 0.346 | <.001\* | -0.531 | -0.812 | -0.251 | 0.270 | <.001\*† |
| BG PVS, score | 0.308 | -0.003 | 0.619 | 0.123 | .052 | 0.619 | 0.357 | 0.881 | 0.377 | <.001\* | -0.619 | -0.885 | -0.352 | 0.356 | <.001\*† |
| nTBV (%ICV) | -0.477 | -0.815 | -0.139 | 0.198 | .007\*† | -0.345 | -0.702 | 0.012 | 0.108 | .058 | 0.324 | -0.039 | 0.687 | 0.077 | .079 |