

SUPPLEMENTARY MATERIAL

TABLE 1S. Final set of predictors after variable selection for regression with mean FA value in cluster 2.

Predictor variable	Estimate	SE	t value	P value
CSF/TIV	-0.54	0.12	-4.48	<0.001
SOGS	-0.004	0.002	-2.24	0.04
Age	-0.002	0.0009	-1.96	0.07
Interaction (Age, CSF/TIV)	0.05	0.02	2.02	0.06
Interaction (SOGS, CSF/TIV)	0.07	0.03	1.93	0.07

SE: Standard Error

Within the GD group, for the left frontal cluster (Cluster 2, Ant.Corona Radiata) the variable selection procedure identified 3 main effects and 2 interaction effects for the final model (Table 1S), that explained 79% of the variance ($R^2=0.79$). Among the predictors of interest, only SOGS score survived selection procedure and demonstrated significantly ($p=0.0417$) negative relation to FA (**Figure 1B**). For the other two clusters, no predictor of interest survived the variable selection procedure.

FIGURE 1S. Significant voxels after controlling for cardiovascular diseases in white matter lesion locations

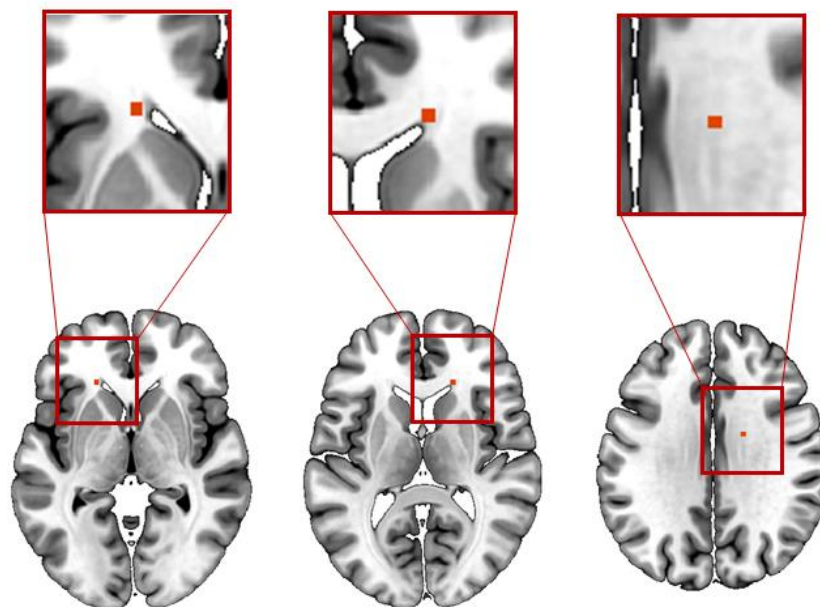


Figure 1S. Group-differences in white matter lesion load controlling for age, sex and cardiovascular diseases. Starting from the left, the significant clusters are in the left anterior corona radiata (-21 30 0), right anterior corona radiata (18 30 8) and right superior corona radiata (18 -3 31).