

**Supplementary Table S1:** Effects of main covariables on Log-WMH

Variable		r/mean(SD)	p-value
Age		0.392	<0.001
Sex			
	Female	2.08 (1.07)	0.247
	Male	2.24 (1.09)	
Smoking habit			
	No	2.29 (1.03)	0.03
	Yes	1.97 (1.16)	
Alcohol consumption			
	No	2.29 (1.05)	0.01
	Yes	1.89 (1.13)	
Hypertension			
	No	1.78 (1.19)	0.002
	Yes	2.3 (1.03)	
Diabetes			
	No	2.03 (1.11)	0.011
	Yes	2.39 (1.01)	
Dyslipidemia			
	No	2.12 (1.06)	0.466
	Yes	2.22 (1.1)	
Body mass index		-0.084	0.203
Atrial fibrillation			
	No	2.2 (1.1)	0.657
	Yes	2.13 (1.04)	
Previous myocardial infarction			
	No	2.17 (1.09)	0.740
	Yes	2.25 (1.03)	
TOAST			
	<i>Atherothrombotic</i>	2.07 (1.03)	0.117
	<i>Lacunar</i>	2.34 (1.12)	
	<i>Cardioembolic</i>	1.99 (1.01)	
	<i>Undetermined</i>	2.29 (1.16)	

Each row represents the association between an explanatory variable and log WMH. Values represent Pearson correlation coefficient for continuous variables and mean (SD) for categorical variables (second column). The third column represents the significance in correlations or differences between groups, and *p*-values have been obtained with Pearson correlation coefficient, *t*- or anova-tests according to the type of each variable.