

Plasma Lipoprotein-associated Phospholipase A2 and Superoxide Dismutase are Independent Predictors of Cognitive Impairment in Cerebral Small Vessel Disease Patients: Diagnosis and Assessment

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SUPPLEMENTARY DATA

Supplementary Table 1. Linear correlation of Lp-PLA2/SOD with MMSE scores.

Variable	Multivariable *	
	β	p value
Lp-PLA2	0.291	0.002**
SOD	0.344	0.000***
Education	0.231	0.012*
Age	-0.147	0.115
BMI	0.036	0.688
Gender	-0.138	0.121
Cholesterol	0.061	0.516
HDL-C	-0.065	0.470
LDL-C	-0.011	0.904
Urea	-0.100	0.904
Cr	-0.122	0.177
UA	-0.002	0.982
Hypertension	0.062	0.481
Diabetes	0.009	0.917
CHD	-0.005	0.957
Statin	0.104	0.231
Antithrombotic	0.160	0.064
APOE4	-0.024	0.786

Multiple linear regression models with backwards elimination showed a positive linear correlation between Lp-PLA2/SOD and MMSE scores after adjusting for confounders as showed in the table. Dependent variables: MMSE Scores; independent variable: Lp-PLA2 and SOD. Covariates with * p -value <0.05, ** p <0.01, *** p <0.001 are presented in bold. Abbreviations: BMI, body mass index; CHD, coronary heart disease; HDL-C, High-density lipoprotein cholesterol; LDL-C, low-density lipoprotein cholesterol; Cr, creatinine; UA, uric acid; Che, Cholinesterase; APOE, apolipoprotein E.