

**Supplementary Table 1.** Univariable regression analysis between clinical factors and cerebral white matter hyperintensity subtypes

Variable	PWMH			DWMH		
	OR	95% CI	P-value	OR	95% CI	P-value
Age	0.079	0.048 to 0.109	<0.001 <sup>a)</sup>	0.079	0.048 to 0.110	<0.001 <sup>a)</sup>
Sex	0.430	0.070 to 0.790	0.019 <sup>a)</sup>	0.706	0.332 to 1.080	<0.001 <sup>a)</sup>
Weight	-0.022	-0.040 to -0.004	0.015 <sup>a)</sup>	-0.016	-0.034 to 0.002	0.088 <sup>a)</sup>
Height	-0.026	-0.047 to -0.006	0.013 <sup>a)</sup>	-0.035	-0.057 to -0.013	0.002 <sup>a)</sup>
BMI	-0.031	-0.093 to 0.032	0.332	0.021	-0.043 to 0.085	0.521
BMD	-0.438	-0.602 to -0.275	<0.001 <sup>a)</sup>	-0.414	-0.583 to -0.245	<0.001 <sup>a)</sup>
Clinical history						
Hypertension	0.483	0.056 to 0.911	0.027 <sup>a)</sup>	0.461	0.010 to 0.912	0.045 <sup>a)</sup>
Diabetes mellitus	-0.095	-0.467 to 0.276	0.615	-0.264	-0.650 to 0.122	0.180
Atrial fibrillation	-0.496	-0.919 to -0.073	0.022 <sup>a)</sup>	-0.443	-0.887 to 0.002	0.051 <sup>a)</sup>
Smoking	0.078	-0.193 to 0.349	0.573	-0.173	-0.457 to 0.110	0.230
Previous stroke	0.213	-0.355 to 0.787	0.459	0.421	-0.157 to 0.998	0.153
Laboratory test						
ALP	0.004	-0.003 to 0.011	0.269	0.003	-0.005 to 0.010	0.494
Phosphorus	0.095	-0.237 to 0.427	0.573	-0.029	-0.371 to 0.312	0.867
Total calcium	0.026	-0.393 to 0.445	0.902	-0.451	-0.887 to -0.014	0.043 <sup>a)</sup>
GFR	-0.022	-0.033 to -0.011	<0.001 <sup>a)</sup>	-0.011	-0.022 to 0.000	0.042 <sup>a)</sup>
LDL-C	0.002	-0.004 to 0.008	0.423	0.004	-0.002 to 0.011	0.158
HDL-C	0.000	-0.016 to 0.016	0.964	-0.001	-0.018 to 0.015	0.881
Triglyceride	0.002	-0.002 to 0.005	0.366	0.000	-0.003 to 0.004	0.830
Homocysteine	0.113	0.066 to 0.160	<0.001 <sup>a)</sup>	0.024	-0.021 to 0.068	0.303
Lipoprotein-α	0.017	-0.108 to 0.143	0.788	0.038	-0.092 to 0.167	0.568

Univariable ordinal regression analysis was performed.

PWMH, periventricular white matter hyperintensity; DWMH, deep white matter hyperintensity; OR, odd ratio; CI, confidence interval; BMI, body mass index; BMD, bone mineral density; ALP, alkaline phosphatase; GFR, glomerular filtration rate; LDL-C, low density lipoprotein cholesterol; HDL-C, high density lipoprotein cholesterol.

<sup>a)</sup>P<0.1.