

Brain-derived neurotrophic factor, a new predictor of coronary artery calcification

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Supplementary Table 1 Logistic regression analysis of cardiovascular risk factors for predicting patients with severe CAC (Agatston score > 400) (n = 167 patients with CAC)

	Univariate analysis			Multivariate analysis		
	HR	95% CI	<i>p</i> value	HR	95% CI	<i>p</i> value
Age (per year)	1.066	1.027-1.108	0.001	1.058	1.012-1.107	0.014
Male sex	0.883	0.449-1.734	0.717			
Currently smoking	1.249	0.608-2.565	0.545			
Hypertension	1.780	0.718-4.414	0.213			
Diabetes mellitus	1.402	0.668-2.943	0.371			
BMI > 23 (kg/m ²)	0.575	0.267-1.239	0.158			
TG > 1.7 (mmol/L)	0.586	0.275-1.248	0.166			
TC > 5.2 (mmol/L)	0.911	0.438-1.897	0.804			
LDL-C > 2.6 (mmol/L)	1.027	0.518-2.037	0.938			
HDL-C < 1.02 (mmol/L)	0.806	0.333-1.951	0.632			
LDH > 228 (U/L)	1.556	0.576-4.203	0.384			
Ccr < 70 (ml/min)	3.162	1.586-6.304	0.001	1.652	0.710-3.844	0.244
CML > median (pg/mL)	1.643	0.824-3.278	0.159			
MGP < median (pg/mL)	3.048	1.354-6.858	0.007	3.501	1.485-8.253	0.004
BDNF < median (ng/mL)	2.041	0.966-4.313	0.062			

BMI body mass index, TG triglycerides, TC total cholesterol, LDL-C low-density lipoprotein cholesterol, HDL-C high-density lipoprotein cholesterol, LDH lactate dehydrogenase, Ccr creatinine clearance rate, CML N ϵ -(1-carboxymethyl)-l-lysine, MGP matrix Gla protein, BDNF brain-derived neurotrophic factor