

**Supplementary Table 2.** Factors associated with severe stroke ( $\geq$  NIHSS 6) in the multivariate analysis

Parameters	Model 1			Model 2				
	Adjusted OR	95% CI		Pvalue	Adjusted OR	95% CI		Pvalue
Onset-to-admission time, per 10 hours	0.84	0.79	0.89	<0.001	0.84	0.79	0.89	<0.001
Demographics								
Sex:males	0.68	0.47	1.00	0.050	0.60	0.39	0.92	0.019
Age, per 10 years	1.22	1.06	1.42	0.007	1.22	1.05	1.41	0.009
Body mass index (kg/m <sup>2</sup> )								
High BMI ( $\geq$ 25)	0.44	0.29	0.64	<0.001	0.43	0.29	0.64	<0.001
Normal BMI	ref.				ref.			
Low BMI (<20)	0.85	0.51	1.42	0.525	0.83	0.50	1.39	0.483
Smoking status								
Current smoker	1.57	1.03	2.39	0.037				
Non-smoker	ref.							
Current smoker					1.78	1.12	2.83	0.014
Former smoker					1.53	0.84	2.80	0.167
Never-smoker					ref.			
Vascular risk factors								
Hypertension	0.97	0.68	1.38	0.863	0.95	0.67	1.37	0.800
Diabetes mellitus	1.13	0.79	1.63	0.497	1.15	0.80	1.65	0.457
Hyperlipidemia	1.23	0.85	1.78	0.270	1.22	0.84	1.77	0.289
Atrial fibrillation	2.16	1.08	4.32	0.029	2.19	1.09	4.38	0.027
Stroke subtype								
Small vessel disease	ref.				ref.			
Large artery disease	4.99	3.22	7.73	<0.001	4.98	3.22	7.72	<0.001
Cardioembolism	5.29	2.60	10.79	<0.001	5.36	2.63	10.93	<0.001

In Model 1, current smokers were compared with non-smokers. In Model 2, current smokers and former smokers were compared with never-smokers. NIHSS, National Institutes of Health Stroke Scale; BMI, body mass index.