

Supplementary Tables

Supplemental Table 1. Adjust odd ratios for *TNF- α* -308G>A and -238G>A genotypes in ischemic stroke patients and control subjects

<i>TNF-α</i> -308G>A	GG	GA	p	GA+AA	p
Crude OR (95% CI)	1.00	0.59 (0.308 - 1.121)	0.108	0.57 (0.297 - 1.073)	0.108
Age (A)	1.00	0.58 (0.305 - 1.113)	0.102	0.56 (0.295 - 1.065)	0.077
Gender (G)	1.00	0.58 (0.304 - 1.108)	0.099	0.56 (0.294 - 1.064)	0.076
Hypertension(H)	1.00	0.56 (0.291 - 1.083)	0.085	0.54 (0.279 - 1.028)	0.061
Lipid (L)	1.00	0.54 (0.279 - 1.063)	0.075	0.53 (0.271 - 1.022)	0.058
Diabetes mellitus (D)	1.00	0.61 (0.316 - 1.162)	0.132	0.57 (0.301 - 1.097)	0.093
Smoking (S)	1.00	0.59 (0.308 - 1.125)	0.109	0.57 (0.298 - 1.078)	0.083
A+G	1.00	0.57 (0.299 - 1.096)	0.092	0.55 (0.290 - 1.053)	0.071
A+G+H	1.00	0.55 (0.284 - 1.060)	0.074	0.53 (0.273 - 1.011)	0.054
A+G+D	1.00	0.59 (0.308 - 1.137)	0.116	0.56 (0.295 - 1.078)	0.083
A+G+S	1.00	0.58 (0.300 - 1.102)	0.096	0.56 (0.291 - 1.059)	0.074
A+G+L	1.00	0.53 (0.269 - 1.031)	0.062	0.51 (0.263 - 0.998)	0.049
A+G+L+D+H+S	1.00	0.52 (0.264 - 1.039)	0.064	0.50 (0.255 - 0.989)	0.047
<i>TNF-α</i> -238G>A	GG	GA	p	GA+AA	p
Crude OR (95% CI)	1.00	0.77 (0.308 - 1.915)	1.00	–	–
Age (A)	1.00	0.89 (0.347 - 2.302)	0.816	–	–
Gender (G)	1.00	0.95 (0.368 - 2.436)	0.91	–	–
Hypertension (H)	1.00	1.08 (0.413 - 2.841)	0.871	–	–
Lipid (L)	1.00	0.83 (0.316 - 2.204)	0.715	–	–
Diabetes mellitus (D)	1.00	0.86 (0.331 - 2.224)	0.752	–	–
A+G	1.00	0.90 (0.349 - 2.329)	0.83	–	–
A+G+H	1.00	1.05 (0.399 - 2.740)	0.928	–	–
A+G+D	1.00	0.84 (0.319 - 2.189)	0.716	–	–
A+G+L	1.00	0.80 (0.298 - 2.118)	0.646	–	–
A+G+L+D+H	1.00	0.95 (0.349 - 2.561)	0.913	–	–

Supplemental Table 2. Comparison of frequency of *TNF-α* -308G>A and -238G>A genotypes in male and female patients with ischemic stroke and in control subjects

Male	Controls (n=113)	Stroke patient (n=138)	OR (95% CI)	p
<i>TNF-α</i> -308G>A				
GG	97(85.8)	129 (93.5)	1.000	
GA	16(14.2)	9 (6.5)	0.42 (0.179 - 0.998)	0.056
AA	0 (0)	0 (0)	–	–
<i>TNF-α</i> -238G>A				
GG	108 (95.6)	130 (94.2)	1.000	
GA	5 (4.4)	8 (5.8)	1.33 (0.422 - 4.183)	0.777
AA	0 (0)	0 (0)	–	–
Female	Controls (n=103)	Stroke patient (n=99)		
<i>TNF-α</i> -308G>A				
GG	93(90.3)	91 (91.9)	1.000	
GA	9(8.7)	8 (8.1)	0.91 (0.336 - 2.458)	1.000
AA	1 (1.0)	0 (0)	0.34 (0.014 - 8.477)	1.000
GA+AA	10 (9.7)	8 (8.1)	0.82 (0.309 - 2.165)	0.806
<i>TNF-α</i> -238G>A				
GG	96 (93.2)	97 (98.0)	1.000	
GA	7 (6.8)	2 (2.0)	0.28 (0.057 - 1.396)	0.171
AA	0 (0)	0 (0)	–	–

Supplemental Table 3. Comparison of genotype frequencies of *TNF- α* -308G>A and -238G>A polymorphisms between silent brain infarction (SBI) and small-vessel disease (SVD) patients

Genotype	SBI (n=257, %)	SVD (n=123, %)	AOR (95% CI)*	p
<i>TNF-α</i> -308G>A				
GG	226 (87.9)	113 (91.9)	1.0 (-)	
GA	30 (11.7)	10 (8.1)	0.59 (0.270 - 1.278)	0.180
GA+AA	31 (12.1)	10 (8.1)	0.56 (0.260 - 1.222)	0.147
<i>TNF-α</i> -238G>A				
GG	238 (92.6)	119 (96.7)	1.0 (-)	
GA	18 (7.0)	4 (3.3)	0.49 (0.159 - 1.530)	0.221
GA+AA	19 (7.4)	4 (3.3)	0.47 (0.151 - 1.440)	0.185

*Adjusted by age, gender, hypertension, diabetes mellitus and hyperlipidemia.