SUPPLEMENTAL MATERIAL

Table I. Characteristics of ischemic stroke cases by quintiles of urinary total arsenic (*n*=671)*

| | Total cases | Quintiles of urinary total arsenic(μg/g creatinine)[†] | | | | | *P*-value[‡] |
		<4.07	4.07-6.09	6.10-9.39	9.40-19.30	≥19.31	
n	671	135	134	134	134	134	--
Age(year)	70.1±8.6	68.0±9.2	70.4±8.4	69.5±8.5	71.5±8.2	71.3±8.3	<0.01
Female (%)	48.4	47.4	47.8	44.8	57.5	44.8	0.21
Black (%)	41.6	40.0	44.0	41.0	47.8	35.1	0.29
Smoke (%)							
Never	42.5	37.0	42.5	42.5	50.8	39.6	0.07
Past	41.0	37.8	41.0	41.0	38.8	46.3	
Current	16.5	25.2	16.4	16.4	10.5	14.2	
Region (%)							
Non-Stroke Belt	44.3	41.5	36.6	41.0	48.5	53.7	0.17
Stroke Belt	33.8	43.0	37.3	35.8	29.9	23.1	
Stroke Buckle	21.9	15.6	26.1	23.1	21.6	23.1	
Alcohol (%)							
Never	32.2	37.0	39.6	35.8	30.6	17.9	<0.01
Past	21.3	29.9	20.2	16.4	23.9	17.2	
Current	46.5	34.1	40.3	47.8	45.5	64.9	
Education (%)							
<High school	15.4	20.7	17.9	13.4	19.4	5.2	<0.01
High school graduate	29.7	34.8	32.1	26.9	25.4	29.1	
Some college	25.9	24.4	29.9	26.1	31.3	17.9	
≥College graduate	29.1	20.0	20.2	33.6	23.9	47.8	
PA (%)							
None	34.0	30.3	30.5	38.2	38.6	32.6	0.70
1~3/week	34.7	37.1	40.6	33.6	31.1	36.4	
≥4/week	30.2	32.6	28.9	28.2	30.3	31.1	
BMI (%)							
<25.0 kg/m^2	26.2	21.5	29.9	25.4	28.4	26.1	0.25
25~29.9 kg/m^2	39.6	36.3	34.3	45.5	35.8	46.3	
≥30.0 kg/m^2	34.1	42.2	35.8	29.1	35.8	27.6	
SBP, mmHg	132.9±17.5	132.3±18.0	133.2±15.7	133.0±20.1	135.1±16.2	130.9±17.3	0.40
DBP, mmHg	77.4±9.9	77.3±9.6	77.6±9.6	77.2±11.2	79.2±9.5	75.5±9.3	0.045
TC, mg/dL	191.4±41.8	192.2±42.3	191.0±44.4	191.7±40.2	198.3±42.6	184.0±38.8	0.11
LDL-C, mg/dL	113.1±34.5	115.6±36.2	112.6±31.9	108.6±31.1	120.0±37.5	108.5±34.6	0.04
Glucose, mg/dL	107.8±39.7	113.5±40.0	112.3±46.3	104.6±46.2	101.7±26.5	107.0±35.3	0.08
Hypertension (%)	73.5	72.6	77.6	74.6	75.4	67.2	0.37
MI (%)	21.2	20.0	22.4	20.9	17.2	25.4	0.57
Type 2 diabetes (%)	27.3	30.4	28.4	26.1	27.6	23.9	0.81
Albuminuria (%)	25.5	21.5	30.6	23.1	25.4	26.9	0.48
Urine cadmium (ng/g)	0.52 (0.30-0.90)	0.63 (0.36-0.98)	0.51 (0.24-0.88)	0.52 (0.28-0.98)	0.47 (0.30-0.81)	0.52 (0.30-0.87)	0.13

Serum mercury (ng/g)	0.27 (0.14-0.47)	0.20 (0.11-0.31)	0.21 (0.12-0.39)	0.25 (0.14-0.45)	0.31 (0.18-0.55)	0.42 (0.26-0.66)	<0.01

BMI=body mass index; DBP = diastolic blood pressure; LDL-C = low-density lipoprotion-cholesterol; MI= Myocardial infarction; PA=physical activity; SBP = systolic blood pressure; TC = total cholesterol.

[*] Data are means ± standard deviations, medians (inter-quartile ranges), or proportions.

[†]Quintiles of urinary total arsenic were calculated based on the random sub-cohort.

[‡] *P* values are for any difference across subgroups by using analysis of variance, Kruskal-Wallis test, or chi-squared test as appropriate.