

Article

The Relationship between Metabolic Syndrome and Plasma Metals Modified by EGFR and TNF- α Gene Polymorphisms

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Table S2. Demographic characteristics, physical and biochemical data, and plasma metal concentrations of two groups of participants.

Variable	Total n = 1015	Non-metal workers n = 639	Metal workers n = 376	p value
MetS	181 (17.8)	81 (12.7)	100 (26.6)	<0.001
Gender				0.057
Male	520 (51.2)	340 (53.2)	180 (47.9)	
Female	495 (48.8)	299 (46.8)	196 (52.1)	
Smoking	213 (21.0)	90 (14.1)	123 (32.7)	<0.001
Drinking alcohol	37 (3.7)	30 (4.8)	7 (1.9)	0.011
Age (year)	43.76 \pm 10.11	43.50 \pm 9.65	44.18 \pm 10.83	0.301
BMI (kg/m ²)	24.41 \pm 3.96	24.04 \pm 3.45	25.05 \pm 4.62	<0.001
WC (cm)	81.72 \pm 11.19	81.98 \pm 10.78	81.30 \pm 11.86	0.351
SBP (mmHg)	117.98 \pm 16.68	115.30 \pm 16.37	122.53 \pm 16.23	<0.001
DBP (mmHg)	72.19 \pm 11.45	73.01 \pm 11.16	70.79 \pm 11.81	0.003
Sugar (mg/dL)	94.52 \pm 25.39	92.65 \pm 17.86	97.70 \pm 34.41	0.002
TG (mg/dL)	126.55 \pm 117.25	117.76 \pm 93.32	141.49 \pm 148.33	0.002
HDL-C (mg/dL)	51.59 \pm 13.91	55.10 \pm 13.69	45.62 \pm 12.15	<0.001
TC (mg/dL)	202.24 \pm 37.33	198.15 \pm 35.36	209.20 \pm 39.54	<0.001
Uric acid (mg/dL)	5.76 \pm 1.55	5.75 \pm 1.57	5.76 \pm 1.52	0.927
ALT (IU/L)	26.16 \pm 19.63	24.93 \pm 18.99	28.26 \pm 20.53	0.009
Creatinine (mg/dL)	0.77 \pm 0.18	0.79 \pm 0.18	0.75 \pm 0.16	0.001
Co (μ g/L)	0.85 \pm 0.29	0.78 \pm 0.29	0.97 \pm 0.26	<0.001
Cu (μ g/L)	1001.97 \pm 270.83	950.29 \pm 265.75	1088.93 \pm 257.00	<0.001
Zn (μ g/L)	849.68 \pm 275.77	791.36 \pm 258.86	947.82 \pm 275.82	<0.001
Se (μ g/L)	207.54 \pm 107.33	146.12 \pm 46.65	311.91 \pm 100.48	<0.001
As (μ g/L)	6.07 \pm 8.07	4.76 \pm 3.35	8.31 \pm 12.20	<0.001
Pb (μ g/L)	0.33 \pm 0.52	0.05 \pm 0.04	0.83 \pm 0.58	<0.001

Data are presented as n(%) or mean \pm standard deviation. MetS—metabolic syndrome; BMI—body mass index; WC—waist circumference; SBP—systolic blood pressure; DBP—diastolic blood pressure; TG—triglyceride; HDL-C—high-density lipoprotein cholesterol; TC—total cholesterol; ALT—alanine aminotransferase.