

Supplementary Table 1. Odds ratio of MS according to SCG

Variables	Gender	Age	Constitution	OR	95% CI		P-value
					Lower	Upper	
MS	Total	10-29	SE	1	-	-	-
			SY	2.21	0.63	7.76	0.214
			TE	<b>4.18</b>	1.32	13.13	<b>0.014</b>
		30-49	SE	1	-	-	-
			SY	<b>1.88</b>	1.11	3.18	<b>0.02</b>
			TE	<b>4.63</b>	2.81	7.62	<b>1.816E-09</b>
		50-69	SE	1	-	-	-
			SY	1.86	1.15	3.01	0.12
			TE	<b>4.21</b>	2.65	6.69	<b>1.225E-09</b>
		70-89	SE	1	-	-	-
			SY	2.21	0.80	6.13	0.128
			TE	<b>3.42</b>	1.35	8.68	<b>0.01</b>
	Male	10-29	SE	1	-	-	-
			SY	1.93	0.11	33.13	0.649
			TE	<b>11.00</b>	1.33	90.81	<b>0.026</b>
		30-49	SE	1	-	-	-
			SY	<b>2.85</b>	1.18	6.87	<b>0.02</b>
			TE	<b>6.26</b>	2.72	14.40	<b>1.590E-05</b>
		50-69	SE	1	-	-	-
			SY	<b>2.84</b>	1.11	7.31	<b>0.03</b>
			TE	<b>5.99</b>	2.42	14.82	<b>1.055E-04</b>
		70-89	SE	1	-	-	-
			SY	3.00	0.53	16.90	0.213
			TE	4.00	0.69	23.09	0.121
Female	10-29	SE	1	-	-	-	
		SY	1.88	0.45	7.83	0.387	
		TE	1.94	0.45	8.41	0.375	
	30-49	SE	1	-	-	-	
		SY	1.44	0.74	2.81	0.284	
		TE	<b>3.59</b>	1.90	6.76	<b>7.800E-05</b>	
	50-69	SE	1	-	-	-	
		SY	1.61	0.91	2.85	0.103	
		TE	<b>3.84</b>	2.21	6.69	<b>1.899E-06</b>	
	70-89	SE	1	-	-	-	
		SY	1.89	0.52	6.85	0.332	
		TE	<b>3.14</b>	1.04	9.50	<b>0.042</b>	

Abbreviations: MS, metabolic syndrome; SY, So-Yang; SE, So-Eum; TE, Tae-Eum; OR, odds ratio; CI, confidence interval

P-value: multiple logistic regression analysis according to SCG

Supplementary Table 2. The distribution of MS risk factor holder according to gender and SCG

Number of risk factor	Number (%)					
	Male	Female	Total	SE	SY	TE
0	96 (19.19)	172 (16.80)	268 (16.57)	124 (30.62)	91 (16.67)	53 (7.96)
1	132 (22.26)	250 (24.41)	382 (23.62)	121 (29.88)	150 (27.47)	111 (16.67)
2	153 (25.8)	242 (23.63)	395 (24.43)	87 (21.48)	138 (25.27)	170 (25.53)
3	118 (19.9)	211 (20.61)	329 (20.35)	55 (13.58)	103 (18.86)	171 (25.68)
4	73 (12.31)	101 (9.86)	174 (10.76)	16 (3.95)	45(8.24)	113 (16.97)
5	21 (3.54)	48 (4.69)	69 (4.27)	2 (0.49)	19 (3.48)	48 (7.21)

Values are indicated as number (%)

Abbreviations: SE, So-Eum; SY, So-Yang; TE, Tae-Eum