

Table 3 Relationship between anthropometric parameters and nutritional status based on to body mass index centiles

Anthropometric parameter	Underweight	Normal weight	Overweight	Obesity	P-value
Waist circumference (cm)	61.91 (6.72)	68.72 (8.95)	78.38 (10.27)	87.90 (11.51)	< 0.001 ^a
Waist-to-hip ratio	0.83 (0.07)	0.83 (0.07)	0.85 (0.07)	0.88 (0.07)	< 0.001 ^b
Waist-to-height ratio	0.40 (0.04)	0.44 (0.05)	0.45 (0.06)	0.55 (0.06)	< 0.001 ^a
Neck circumference (cm)	28.07 (1.84)	30.14 (2.25)	32.42 (2.49)	34.27 (2.57)	< 0.001 ^a

Data are presented as mean (standard deviation).

P-values were calculated by one way ANOVA.

^aStatistically significant differences between all nutritional status subgroups (post-hoc test).

^bStatistically significant differences between all nutritional status subgroups except underweight and normal subgroups (post-hoc test).