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Editorial

Why Does Weight Gain Put More Stress on Women?

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In the present issue, Jang et al.¹⁾ investigated whether psychological factors such as perceived stress and depression are associated with weight gain among Korean adults using data from the Korea National Health and Nutrition Examination Survey, 2016. The study participants consisted of 3,163 individuals (1,278 men and 1,885 women) aged 19–64 years who had no diseases that might affect weight change. In their study, weight gain was significantly associated with perceived stress (odds ratio, 1.271; 95% confidence interval, 1.012–1.597) in women, but was not significantly associated with any psychological factors in men. This finding suggests that there is a gender difference in the relationship between weight gain and perceived stress. It should be explained why weight gain is more stressful for women.

Obesity is a multifactorial disease that is influenced by genetic, behavioral, environmental, and sociocultural factors.2) While obesity prevalence has continued to rise over the past decades among Korean men (age-standardized prevalence of obesity: 25.1% in 1998, 42.8% in 2018), it has been reported to have plateaued among Korean women (age-standardized prevalence of obesity: 26.2% in 1998, 25.5% in 2018). 3,4) The gender disparity in obesity prevalence has been widening among Korean adults. Although Korean men and women live in the same obesogenic environment, Korean women may be disproportionately under intense socio-cultural pressure not to be overweight.⁵⁾ Accordingly, Korean women are more likely to overestimate their body weight than Korean men, which leads to weight control attempts.⁶⁾ In Korean society, a significant number of underweight women try to lose or maintain their body weight for better appearance.7)

Obese individuals encounter weight-based prejudice and

discrimination in various aspects of their daily lives, including employment, income, education, interpersonal relationships, health care, and media. Korean society is known to have an extremely high level of weight-based bias. Marini et al.89 reported that Koreans had the strongest preference for thin people over overweight people among all citizens of 71 nations. Women are more likely to experience weight-based discrimination compared to men. Sarlio-Lähteenkorva and Lahelma9) reported that obesity was associated with unemployment, low income, and lack of close friends in Finnish women but was not problematic for Finnish men. In a society where weight stigma is pervasive, overweight women are expected to obtain lower occupational attainment and lower earnings than those of thin women. It is noteworthy that women's wages begin to decrease at weights much lower than conventional thresholds for overweight or obesity. 10) Therefore, even thin women stress

In a society where slender bodies are recognized as good and overweight bodies as evil, weight stigma is prevalent and weight bias is internalized. 11) Since the social norms regarding ideal body weight are stringent for women, maintaining a socially acceptable body size is more stressful for women. 12) A multidisciplinary group of international experts developed a joint consensus statement with recommendations to eliminate weight bias. 13) The Korean Society for the Study of Obesity also endorsed the statement. They stated that some public health campaigns stigmatize obese individuals to motivate behavioral change and encourage them to lose their body weight, but these strategies may increase weight-based discrimination and lead to unwanted effects such as exercise avoidance, consumption of unhealthy foods, increased sedentary behaviors, and increased weight gain. Therefore, these stigmatizing approaches to promote anti-obesity bias should



be banned and policies against weight-based discrimination should he established

CONFLICT OF INTEREST

No potential conflict of interest relevant to this article was reported.

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