Concluding that overtime work has a relationship with short sleep duration (<6 hours/day) even at 26 hours/month. Virtanen et al. reported a cross-sectional study and two longitudinal studies that examined the relationship between long working hours and short sleep duration. A significant odds ratio for short sleep duration (<7 hours/day) was observed in a case-control study when weekly working hours exceeded 40 hours. In addition, a longer follow-up study with a duration of more than 5 years also presented a significant odds ratio for short sleep duration for the same number of working hours.

Hammer and Sauter reported that work-life stress is related to poor health behaviors, including smoking, drinking, low levels of exercise and even decreased sleep duration. Jang et al. also used “sleep hours per day” as one of the confounders for the association between work hours and obesity. Nakata reported that long work hours and short sleep are associated with poor self-reported health, and I have summarized the data on the relationship between working hours and sleep duration from their report in Table 1. When work hours exceed 10 hours per day, the prevalence of a sleep duration of less than 6 hours per day dramatically increases. According to a report by Jang et al., sixty hours of work per week means 12 hours of work per day, and the prevalence of a sleep duration of less than 6 hours per day would be much higher for workers working this many hours per week. Jang et al. also discussed sleep in relation to the mechanism affecting the association between work hours and obesity in the Discussion section of their report, and I would like to add some information concerning the job environment with special reference to long working hours and sleep duration.

Nakanishi et al. conducted a cross-sectional study concluding that overtime work has a relationship with short sleep duration (<6 hours/day) even at 26 hours/month. Virtanen et al. reported a cross-sectional study and two longitudinal studies that examined the relationship between long working hours and short sleep duration. A significant odds ratio for short sleep duration (<7 hours/day) was observed in a case-control study when weekly working hours exceeded 40 hours. In addition, a longer follow-up study with a duration of more than 5 years also presented a significant odds ratio for short sleep duration for the same number of working hours.

Hammer and Sauter reported that work-life stress is related to poor health behaviors, including smoking, drinking, low levels of exercise and even decreased sleep duration, and that sleep factors are important for maintaining a good work environment. Overtime work is considered to be an important risk factor of cardiovascular disease (CVD), and obesity is also a fundamental risk factor of CVD in relation to metabolic syndrome. Jang et al. conducted a cross-sectional study to examine the association between work hours and obesity in Japanese workers working this many hours per week. Jang et al. also discussed sleep in relation to the mechanism affecting the association between work hours and obesity in the Discussion section of their report, and I would like to add some information concerning the job environment with special reference to long working hours and sleep duration.

Acknowledgments and Disclosure: The author has indicated no financial support, and there is no conflict of interest in this study.

References


