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Relationship between working posture and work injuries in a clothing factory workers in Edirne

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In Turkey, as a result of the occupational accidents, nearly 1100 workers lose their lives, 1800 workers become disabled for lifelong and more than one million five hundred thousand working days are lost. The aim of this study is to determine the risk levels of the textile workers employed in a factory in Edirne in terms of their working postures and also to examine whether they affect the occupational accidents or not. The data has been gathered from a survey consisting 14 socio-demographic questions, Cornell musculoskeletal discomfort questionnaire and categories by using OWAS method from 101 volunteers. Of all the participants, 75.2% were female; mean age was 33.4 ± 5.35 , 63.4% were smokers and 54.5% were individuals with high school education. The frequency of occupational accident was 18.8%. The total CMDQ mean score was 116.39 ± 218.11 . The workers exhibited postures in C1 category while working with 57.4% according to OWAS method. The occupational accidents had no correlation either with working postures or with total CMDQ score ($p=0.503$). However, it was observed that the educational level of workers who had experienced the accidents was higher to give training to increase the awareness levels for females and those with higher than the others and as the working experience increased the possibility of having accidents was statistically meaningful ($p=0.014$). In order to prevent occupational accidents in textile industry, which is in the low risk group, it is necessary to educate the workers. Also, encouraging physical exercise and practices to give up smoking are needed.

Biography

Ilker Murat Avcibaşı has completed his MSc from Trakya University and is a Doctoral student in Trakya University Health Sciences Faculty. He is a Research Assistant in the Nursing department of Trakya University.

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