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A STUDY ON THE MUSCULOSKELETAL DISCOMFORT IN FOUNDRY WORKERS

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Abstract

The purpose of this paper is to analyse subjective self-evaluation of musculoskeletal discomfort conducted among workers in foundry industry. Fifty workers aged 18-55 years participated in this study. Discomfort due to pain in different parts of the body like physical exertion, lifting loads, posture, work space, job rotation, rest period and repetitive motion were subjectively evaluated by the questionnaire survey. The results indicated that, the highest and lowest percentage of workers experiencing at least one discomfort is 86% and 52% respectively. Also, 17 out of 20 discomfort factors scored above the average musculoskeletal discomfort score of 2.5 on scale of 5. According to this study outcomes, more exploration is needed on the relationship among musculoskeletal discomfort and its effect on the workers in foundry environment.

Author Keywords

musculoskeletal discomfort, foundry, discomfort, workers.

Index Keywords

Physical exertion, lifting loads, work space, job rotation, rest period, repetitive motion.

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