ABSTRACT

ANALYSIS OF FACTORS RELATED TO MUSCULOSKELETAL DISORDERS (MSDs) COMPLAINTS IN PERIOPERATIVE NURSES AND SURGICAL INPATIENT NURSES AT NGUDI WALUYO REGIONAL HOSPITAL

Dian Prawesti, Maria Diah Ciptaning Tyas, S.Kep., Ns., M.Kep., Sp.MB.
Program Studi Sarjana Terapan Keperawatan Malang,
Jurusan Keperawatan, Poltekkes Kemenkes Malang

Musculoskeletal disorders (MSDs) are conditions that affect muscles, bones, joints, and connective tissue. Musculoskeletal disorders impact nurses' performance in providing care to patients, influenced by various individual factors, physical activity, and the work environment. This study aims to analyze factors related to musculoskeletal disorders in perioperative nurses and surgical inpatient nurses. The research design used was quantitative with a cross-sectional approach. The study population consisted of 37 nurses selected using a total sampling technique. The instruments used included the Nordic Body Map (NBM) questionnaire and the Rapid Entire Body Assessment (REBA) questionnaire. Data analysis used was univariate with a frequency distribution test, bivariate using the chi-square test, and multivariate using a logistic regression test. The results of the study found that age, length of service, and work posture of nurses were associated with musculoskeletal disorders (MSDs), where nurses with older age, longer service periods, and non-ergonomic work postures tended to experience more MSDs. Meanwhile, nurse gender was not related to musculoskeletal disorder (MSDs) complaints because both women and men have the same risk of experiencing MSDs. The results of the multivariate analysis showed that there was no most dominant factor. The conclusion of this study confirms that among the four factors studied, only gender was not significantly related to musculoskeletal disorders, and there was no most dominant factor that influenced MSDs. It is hoped that this knowledge will increase insight for institutions, nurses, and future researchers, and health services to better anticipate and prevent the occurrence of musculoskeletal disorders.

Keywords: Musculoskeletal Disorders, Perioperative Nurses