Predictive factors of ICU bedsores using Braden scale

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Abstract

Background: Bed sore is a major problem for inpatients in the hospital. This study was aimed to determine the predictive factors of bedsore in Intensive Care Unit (ICU).

Methods: A descriptive – analytical study was conducted on 673 Intensive Care Unit (ICU) inpatients of 6 selected hospitals in a period of 6 months in Guilan. The participants were selected via simple random sampling. Data were collected by the Braden Scale whose reliability and validity had been confirmed in previous studies. Data were fed into SPSS software and analyzed using t-test, chi-square and Logistic regression.

Results: The mean age of the subjects was 45.35±16.7. Incidence of bedsore was 3.6%. Dietary patterns, wear and tension were identified as predictors of bed sore after adjustment of odds ratio.

Conclusion: We can properly manage the bed sore and its complications, in addition to predicting the parameters of the given model, through attention to proper nutrition, stretching the muscles and tissues of the patients in ICU. Retraining the personnel of the intensive care unit and training the patients are recommended.

Keywords: bedsore, Intensive Care, Braden scale, hospital


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