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Determining difficulties experienced by nurses in isolation applications: A quality improvement study

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This study aims to investigate the compliance with the isolation practices of nurses about isolation measures which are a quality indicator and determining the difficulties nurses experienced. This descriptive study was carried out with all nurses in the medical and surgical clinics of Abant Izzet Baysal University Training and Research Hospital, Bolu, Turkey; between December 2016 and February 2017. The data of the study was collected using the data collection form In the first part of the data collection form which was prepared by the researchers, the descriptive characteristics of the nurses, in the second part related to Questions about insulation measures to detect living difficulties and In the third part was formed "The Compliance Scale for Isolation Measures" from developed by Tayran and Ulupınar (2011). "The Compliance Scale for Isolation Measures" is a 5-point likert type measurement consisting of 18 items in positive and negative. This scale aims to measure compliance with the isolation measures. It is rated as 5 points in form of 1-Strongly disagree;2-Disagree 3-Neither agree or disagree, 4-Agree, 5-Strongly agree. There are four contrast items on the scale. The lowest score of the scale is 18 and the highest score is 90. Scale scores proportionally increase with compliance. The Cronbach alpha in the original study was 0.85, and in the current study, it was calculated as 0.86 which suggests an acceptable internal reliability. The permissions was obtained from the institutions to do the study. İn this study, 89.7 % of the participants were female, the means of age was 32.70 ± 6.7(min:20, max:56), 61.2% were married, 46.6% had a child, 58.6% graduated from undergraduate, post-graduation mean of years were 7.3 ± 11.09 (min: 1, max: 11.09), 85.9% were clinical nurses, 12.9% were responsible nurses. It is seen that 37.9% of the nurses in the last 6 months, 16.4% in last 7-12, , 9.5% before the last 1 year months had been educated about the isolation measures, 84.5% of these trainings were taken from the current institution in which they are working. In the clinics, 97.4% of the nurses stated that there was an isolation card for each patient and %94.9 reported that contact, droplet and isolation cards in the clinics. It was determined that the mean score of "The Compliance Scale for Isolation Measures" were X: 79.22 ± 7.9 for the nurses' (min: 54, max:90); it was quite a high score.

When examining the difficulties they encounter during insulation application; It was reported that the patients' relatives (18.0%), doctors who are teaching members (16.0%), intern doctors (16.0%), assistant doctors (15.0), cleaning staff (6.0%) and nursing students (5.0%) did not comply with the isolation principles.When examining the difficulties of the institution that they encounter during insulation application; It was determined that these difficulties were ınapplicable visitor time (15.0%), insufficient training of interns doctors about isolation applications (%13.0), insufficient stand to install isolation materials (12.0%), lack of isolation information cards (10.0%), insufficient use of gowns (8.0%), insufficient training of cleaning staff (7.0%) and assistant doctors (5.3%) about isolation applications. In a nutshell; It was determined that the nurses' compliance with the isolation measures was high but the doctors (intern, assistant, faculty member) did not have enough knowledge about the isolation measures and did not comply with the isolation measures, some materials was lacking in institution, information brochures and isolation cards were not enough.

Biography

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