THE EVALUATION GAP OF MEDICAL SKILLS RELATED TO MEDICAL SAFETY IN EXPERT AND NOVICE NURSES

Suggestions for consultation skill education in the high-risk period after employment

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Objective: To improve protecting the health, safety must be ensured in the medical practice. In this study, an example of the high-risk situation of the occurrence of a medical accident, alarm generating at the time of infusion pump use of an intravenous injection was assumed. This study aimed to explore the factor of medical safety and risk of medical accident team, including the novice nurse, and obtained the suggestion to medical safety education.

Methods: Survey period: December 2012 and January 2013. Subject: Expert nurses (over three years of experience) and novice nurses (less than one year of experience). Nurses from a hospital of over 500 beds were requested to cooperate in the research, which involved completing a questionnaire with the following items:(1) Acquisition time of the alarm corresponding skills of the infusion pump of novice nurse; (2) the Metacognition Scale in Learning from a previous study on medical accidents, which assesses understanding of medical accidents and the attitude of study (Matsuzaki, 2004); (3) the Belief in Cooperation Scale, which measures recognition of the importance of collaboration with others (Nagahama et al., 2009); and (4) whether the work atmosphere is conducive to consultation.

Results: Effective answers were obtained from 115 subjects (32 novice and 83 expert nurses; recovery rate: 30.2%). Than low expert nurses, higher understanding of medical accidents, that was prefer to collaboration (t (81) = 3.13, p = 0.002). In addition, novice nurses who answered that there is an atmosphere that can consult, metacognitive activity was significantly higher (t (26) = 2.54, p = 0.018). In conclusion, to foster a culture of safety, this study indicates that education is needed to (1) cultivate an atmosphere where novice nurses can easily consult other nurses; and (2) prevent unsafe behavior by prompting better examination and understanding of medical accidents.

Keywords: novice nurses, safety education, medical accident