“The effectiveness of the risk management program on the pediatric nurses’ medication error rate: quasi experimental study”

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Abstract

Background and Aim:

Background: Caring is always with unexpected and dangerous events. Prevention of unwanted incidents and improve patient safety requires a multifaceted approach, and related strategies can vary according to environment and conditions.

To prevent unintentional injuries in hospital, risk management is introduced as an effective strategy. Risk management is an iterative and rational process for dealing with situations risk prone. Medication is one of the most complex processes that involves many people in the fragmented environment in hospital and is one of the main duties of a nurse. The hospital adverse events are an indication of their level of safety is also an indication of quality services. The effectiveness of risk management of medication errors has been studied in this research.

Methods: This study is a randomized clinical trial. 80 nurses participated in the process of drug therapy, after obtaining informed consent, were selected by available sampling. The comparison group received routine nursing program. In the intervention group after initial sampling and risk management committee, risk management program was started and continued for 12 sessions over six months. The data were analyzed by both descriptive and inferential statistics.

Results: Results showed that both groups were homogeneous in terms of underlying variables. The rate of medication errors in the intervention group was lower than the comparison group (p < .01). The rate of medication errors in the pre-intervention group was significantly decreased (p = .01). The rate of errors in his report to the intervention group had increased (p = .01). In its report the errors after the intervention group were more groups (p = .01).

Conclusion: Based on research findings risk management program as a way to control the rate of medication errors in hospitals reduces the medication errors.

Despite significant statistical result increases in self-report of medication errors results, medication errors, the recommended risk management program to reduce medication errors, it is suggested greater efforts be made in self-report of medication errors.

Keywords: risk management, medication errors, nurses, pediatric ward, self-report.