عنوان مقاله:

Investigation of Medication Errors in a Teaching Psychiatric Hospital using Chart Reviews

محل انتشار:

مجله Medbiotech, دوره 1, شماره 2 (سال: 1396)

تعداد صفحات اصل مقاله: 5

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خلاصه مقاله:

This study was conducted with the purpose of determining the frequency of medication errors (MEs) occurring in a teaching psychiatric hospital in the city of Tehran, Iran. Medication errors were defined by using widely accepted criteria. A cross-sectional prospective study using chart reviews to detect medication errors in the medication process. Rates of error in prescribing, ordering, transcribing, administrating and monitoring were determined. Frequency of these errors was analysed and reported using SPSS-21 software. The study was conducted on six patient care units (n=182). We followed patients for two weeks from the first day of admission in any of the six units. All of 20674 doses were studied in the wards to detect prescribing, ordering, transcribing, administrating and monitoring errors. In chart reviewing we detected a total of 1375 errors in 20674 opportunities for errors (6.65 %). In each stage, the frequency of medication errors was: Prescribing: 2.4 %, Ordering: 12.5 %, Transcribing: 3.7 %, Administrating: 81.1 %, and finally Monitoring: 0.3 %. The most common types of error throughout the medication process were: wrong dose, omission of dose, unordered dose. There is a need for quality improvement as; almost 50% of all errors in the medication process were caused by missing actions. We assume that the number of errors could be reduced by simple changes to existing procedures or by implementing automated technologies in the medication process. Clear guidelines must be written and executed to reduce the incidence of medication errors.

کلمات کلیدی:

medication errors, Prescribing, Transcribing, Drug administration, Hospital, Inpatient, patient safety

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