Administrating and preparing Medication error in pediatric nephrology ward in children center Hospital of Tehran University of medical science

Elaheh Laali1

1- Research center of rational use of drug, Tehran university of medical science

Abstract: Medication error is an avoidable occasion in health system, medication administering in inpatient health care settings is nurses' responsibility; thus, they are the last line of defense to safeguard against medication errors. Although children are at the greatest risk for medication errors, little is known about the overall epidemiology of these errors. Method of this study is disguised observation. A pharmacy student observe a nurse in each shift completely and note all preparing and administering proses due to check with prescribes and texts. Drug storage, preparing and administrating proses and technic were all written. Notes have been checked with patients chart, nursing note and also with guidelines to check and find out errors. During 7 days of study 224 drug doses were observed and 76(32%) error were detected. In details 33 (15%) of them belong to preparing error and 43 (19%) errors occur during administrating. Therefore in preparing, respectively wrong original drug storage (8%), incompatibility (3%) widespread. Follow that administrating rate error (7.6%), verification error (4.5%) wrong dose (4%), wrong time (4%) and omission dose (4%) in administrating error were prevalent. In general by decreasing age, error incidence was increased significantly, this correlation was confirmed in preparing phase though in administrating phase wasn’t significantly increased. According to result children are exposed to harm in association with medication error, that is why we need some comprehensive instructions about medication preparing and administering specifically in neonate.

Keyword: