

## Evaluating the standards of hospital pharmacies in therapeutic centers affiliated with of Kermanshah University of Medical Sciences, Iran

R. Tahvilian<sup>1,\*</sup>, M. Siahi Shadbad<sup>2</sup>, H. Hamishehkar<sup>3</sup>, V. Aghababa Gharehbagh<sup>4</sup>,

<sup>1</sup>Department of pharmaceutics, Kermanshah University of Medical Sciences, Kermanshah, Iran.

<sup>2</sup>Department of pharmaceutics, Tabriz University of Medical Sciences, Tabriz, Iran

<sup>3</sup>Department of clinical pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran

<sup>4</sup>School of pharmacy and pharmaceutical sciences, Kermanshah University of Medical Sciences, Kermanshah, Iran.

**Background and Aims:** Nowadays pharmaceutical care departments located in hospitals are amongst the important pillars of the healthcare system. The aim of this study was to evaluate quality of hospital drugstores affiliated with Kermanshah University of Medical Sciences.

**Methods:** In this cross-sectional study a validated questionnaire was used which included all the necessary and standard needed of an ideal hospital pharmacy. The questionnaire was filled in by the one of the researchers in all seventeen hospital drugstores located in the teaching and non-teaching hospitals affiliated with Kermanshah University of Medical Sciences. Data analysis was done using SPSS (version 17).

**Results:** The results shows that in observed hospitals, 24% of pharmacy environments, 25% of pharmacy store and storage conditions, 49% of storage procedure, 25% of ordering drugs and supplies, 73% of receiving supplies (proper procedure are fallowed for receiving supplies), 35% of receiving supplies (prompt action taken if deterioration of drugs received is suspected), 23.35% of drugs delivery to patients and finally 0% of stock cards are used for proper inventory control have full compliance with standards. Several instances of the improper process of ordering, receiving, storing and delivering medicine to the patient has been distinguished that has been led to wastage of budget in hospitals and considerable decrease at the quality of medical services.

**Conclusions:** There are apparent out of standard space allocations and, improper process of ordering, receiving, storing and delivering medicine to the patient. These issues may reduce the efficiency and safety of pharmaceutical services and drug administration in hospitals.

**Keywords:** Hospital pharmacy standards; Pharmacy management; Kermanshah