Assessment of Clinical Pharmacist's Role in an Infectious Diseases Ward

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Abstract: Clinical pharmacists' aims are contribution to safe medication use by providing comprehensive consultation to patients and medical staff. Pharmacist intervention outcomes include proper medication use, less adverse drug events, patient adherence and cost saving.

We determined the frequency and the type of clinical pharmacist interventions in infectious diseases ward in an educational hospital in Tehran.

All kind of clinical pharmacists' interventions were recorded in a previously designed pharmacotherapy monitoring forms. Forms were assessed from October 2012 to January 2013 and type of interventions was categorized.

100 patients were counseled by clinical pharmacist in the infectious disease ward in four months and 281 interventions were made during this time. The most frequent intervention was, Lab data request (28.5%), adding a drug to treatment regimen (19.2%), changing the frequency, duration or dose of drugs (17.4 %), reminding missing drugs (8.5%), changing from one to another drug (7.8%), Drug discontinuation (6.4%), Refer to a specialist (3.2%), management of drug interactions (2.5%), prevention or management of adverse drug reactions (1.8%), changing the dosage forms (1.4%), therapeutic drug level monitoring (1.4%), adjusting duration of treatment (1%) and patient education (0.7%).

The mean number of clinical pharmacist intervention per patient was 2.81.

Clinical pharmacist can effectively participate in achieving high-quality and rational drug therapy. Our data demonstrated that Lab data request, adding a drug to treatment regimen and Changing the frequency, duration or dose of drugs were the three frequent interventions by clinical pharmacist in the infectious diseases ward.

Keyword:
Clinical Pharmacist, role, infectious diseases ward