

Abstract

Evaluation of clinical pharmacists interventions in the hospital III

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Introduction and aims: Considering the constant development of health care it is highly relevant to analyze the contribution of the clinical pharmacist and the potential for further improvement of the drug management. In the theoretical part, special focus is on the phenomenon of physicians' acceptance of recommendations made by clinical pharmacist. It also summarizes the recent studies on this topic. In the following analysis in practical part, the interventions of clinical pharmacist are put under scrutiny as well as the types of the drug-related problems, which are encountered by the clinical pharmacist, the seriousness of these problems and their possible solutions. Furthermore, the physicians' acceptance of recommendations made by clinical pharmacist is measured.

Methods: A prospective, descriptive study was conducted in the Nursing Unit of the Department of the Internal Medicine in the Hospital in Olomouc region between October and December 2021. Only newly admitted patients whose pharmacotherapy was revised were considered. The data (age, sex, diagnosis, laboratory parameters, etc.) were recorded and organized in the web database. The classification of the drug-related problems was accomplished using the modified PCNE Classification of the drug-related problems V5.01.

Results: 66 patients were involved into this study and 143 drug-related problems were detected in total, which corresponds to the $2,17 \pm 1,37$ drug-related problems per patient. The most frequent drug-related problems were assigned to the domains P2 (Drug choice problem) and P3 (Dosing problem). The acceptance rate was 82, 52%.

Conclusions: Among the most relevant conclusions of this paper belongs that in the analyzed period the physicians accepted more often those recommendations made by clinical pharmacist, which were related to the monitoring or the change of drug form.

The recommendations about the start or the end of the therapy were accepted less often.