

Summary

ANALYSIS OF PRESCRIBING ERRORS IDENTIFICATED BY PHARMACIST DURING PROVISION OF PHARMACEUTICAL CARE

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Background: Medication errors or drug related problems (DRPs) have a negative impact on the whole process of health care and are significant health risk for a patient.

Aim of study: The aim of this study was to describe and evaluate the role of pharmacist in identification and solution of prescribing errors. And to discuss the possibilities of the further development of safe medication practices in the Czech republic.

Methods: 33 pharmacists from community and hospital pharmacies participated in a study. Data were collected by web questionnaire for a period of 15 days. The following DRPs were collected: incorrect indication of drugs or contraindicated drugs, prescribing of drug for incorrect patient, wrongly prescribed name of drug, contraindications, duplications of therapy, potential drug interactions or problems with dosage (e.g. overdosing). The identified errors were classified and the clinical significance of the cases and accuracy of pharmacist's interventions were evaluated. Statistic analysis comprised predominantly frequency analysis.

Results: During dispensing of drugs the pharmacists identified 414 prescribing errors, out of 38348 prescriptions. The mean age, let us say mean length of pharmaceutical practice was $29 \pm 5,5$ years, let us say $5,5 \pm 5,6$ years. 17 of them worked in hospital pharmacy. More than 1/3 of interventions is concerned by dosing. More than 50 % of pharmacist's interventions were implemented with the patients older 60 years. 90 % of pharmacist's interventions were considered as a right proposed while subsequent analysis.

Conclusions: The obtained data show that pharmacists fulfil necessary control function during dispensation of drugs and are able to identify and solve relevant DRPs. The pharmacists are integral part of multidisciplinary team (doctor – pharmacist – nurse – patient) participating in safe use of medications.