

ABSTRACT

ANALYSIS OF DRUG-RELATED PROBLEMS IN A HEALTHCARE FACILITY X

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Introduction: Drug-Related Problem (DRP) can be defined as an issue associated with pharmacotherapy that truly or potentially relates to desired health outcomes.

Aim: The aim of the study was to describe and analyze the occurrence of DRPs, their severity, management, and acceptance of proposed interventions.

Methods: The study took place during January and February 2024 in a district hospital in the Olomouc region, specifically in the nursing department, where two departments labeled as A and B are located. Health documentation of hospitalized patients was used for data collection. Basic characteristics such as age, gender, diagnoses, pharmacotherapy, laboratory values, as well as individual drug-related problems, their management, and assessment of clinical severity were recorded. DRPs were identified during pharmacotherapy review, which occurred upon admission or shortly thereafter. Data were recorded in an online database and subsequently statistically analyzed. The classification of DRPs was based on the Pharmaceutical Care Network Europe (PCNE) classification, version 5.01, specifically its modification.

Results: A total of 75 patients were analyzed, 48 women and 27 men with an average age of 80 years (± 9.52). The total prescription comprised 616 medicinal products, with an average of 8.21 (± 3.38) medicinal products per patient. Clinical pharmacists identified 147 DRPs, with at least one DRP occurring in 87 % of the analyzed patients. The most common issues were drug selection and dosing problems. Each DRP had an intervention proposed by the clinical pharmacist, and a total of 94 % were accepted. In

terms of clinical severity, most were considered to be minor to moderately significant problems.

Conclusion: The study demonstrated a high occurrence of DRPs in the healthcare facility. The majority of proposed interventions by the clinical pharmacist were accepted after consultation with the physician.

Keywords: drug-related problems, pharmacy