

Abstract

Interaction of drugs used in gynecology and urology and their management

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Introduction: Drug interactions represent a serious health problem and they cause adverse drug effects and toxicity of drugs.

Objectives: The goal of the thesis was to create an overview of possible drug interactions with drugs used in gynecological and urological practice.

Methodology: From a theoretical introduction was selected registered drugs to 1 st January 2015 by State Institute for Drug Control. Information about drug interactions were collected and collated from databases Vademecum Infopharm and Micromedex. From database Micromedex, the drug interactions were selected with quality of documentation "excellent" or "good". Pubmed database (www.pubmed.gov) with entering key words „basic drug“, „drug interaction“ and „interactive drug“ was applied to create a current information. To complement the information was also gathered from magazines Practical Pharmacy and Clinical Pharmacology and Pharmacy. In case of not finding relevant information was drawn from the summary information of medicine (SPC).

Results: The results were categorized into a research work. 51 separated articles with identical form were processed. Each interaction is composed of interacting drugs and clinical severity. This is followed by text divided into the "risk LI", "description LI" and "management". In summary there were 27 (53 %) „major“ a 24 (47 %) „contraindicated“ in database Vademecum Infopharm and in database Micromedex were 17 (33%) „contraindicated“, 11 (22 %) „major“ a 23 (45 %) „moderate“.

Conclusion: Drug interactions are at significant risk of pharmacotherapy. Their solution is limited by many factors. One of them is the lack of comprehensive reports. The pharmacist should be able to a large part of them not only capture but also to take measures to eliminate them. For each drug interaction is necessary to assess the risk of therapy in relation to the patient, other medications, health conditions, dosage of drugs, prescribing physician's specialization and other risk factors.

Keywords: drug interactions, urology, gynecology