

Abstract

The thesis was prepared with the aim of to formulate a complete set of subject words that could serve as a basis for certain areas of the prepared explanatory dictionary on pharmacy. The aim was at least partially contribute to the integration of terminology in there fields of pharmacy.

Our task was to analyze the pharmacokinetics and bioelimination of drugs, find source materials regarding these areas in the scientific literature and make a list of possible subject words. Afterwards it was necessary to create an optimized form of particular subject words that could be used as a basis for dictionary. This dictionary will also include other areas of pharmacy and will be intended for wide range of professional pharmacists, medicine doctors and students of these disciplines, or even other readers and general public.

Prestigious foreign and domestic publications, especially textbooks on pharmacology published by academically recognized world prestigious authors were the sources for particular preparation and processing of definitions. From these resources, several alternative resolutions were prepared. Afterwards we selected the optimal one or there was created the best version of the subject word parallel following selected criteria. Criteria were firstly clarified of the language, the precision of definition and also current situation and habit in our professional surroundings have been taken into account.

Overall, 294 subject words were prepared, from whom approximately half were from the pharmacokinetic terms and parameters, and the rest of subject words consider with the interpretation of terms of the metabolism of drugs and possible factors that affect these processes. We focused on the terms used to describe the absorption, distribution, biotransformation and excretion of drugs, biochemical-pharmacological and xenobiochemical terms such as names of biotransformation systems. Great attention was paid to establishing the interpretation of the definitions of pharmacokinetic parameters used to describe behavior of substances in the human body. For the basic pharmacokinetic parameters such as elimination half-life, clearance, etc. the description always included mathematical definition, the formula for calculating the quantity. The basic problem was that some of the terms used to define subject words do not have a Czech equivalent and are usually used in the English form. However approach of the terminology to the professional public in intelligible interpretation is the purpose of the prepared dictionary.