Patterns and health-related etiologies of drug use among students of Kermanshah University of Medical Sciences

B. Gholamine1,*, H. Bagherzadeh2, M. Khodayari3, M. Rezaei4

1Department of Pharmacology, Toxicology & Pharmaceutical Services, Faculty of Pharmacy, Kermanshah University of Medical Sciences
2Faculty of Pharmacy, Kermanshah University of Medical Sciences
3Education Development Center, Tabriz University of Medical Sciences
4Department of Bioinformatics, Faculty of Medicine, Kermanshah University of Medical Sciences

Background and Aims: As one part of a comprehensive study, this survey was planned to identify list of drugs and medical reasons for their use among students of Kermanshah university of Medical Sciences.

Methods: A cross-sectional study was conducted in 2011 among 350 students of Kermanshah University of Medical Sciences that randomly were selected from all faculties. Students were instructed & interviewed through an anonymous structured questionnaire having both open and closed questions. Data analyzed by SPSS 18 software and chi-square test were used for interpretation of association between variables.

Results: The most common medical reasons for self-medicated drug uses were: pain (36/3%), infectious diseases (31/7%), hair and skin disorders (9/6%) whereas hair and skin disorders (9/6%), infectious diseases (7.2%), gastrointestinal disorders (6/2%) were the most common health problems for prescribed use of drugs. Collectively, ibuprofen (29/7%), acetaminophen codeine (25/4%), acetaminophen (24/8%) and amoxicillin (24%) were the most consumed drugs. No significant relation was found between any of the demographic characteristics and drug consumption. (P> 0/05)

Conclusions: Medicational knowledge of healthcare students may have a role in the pattern of drug use among them. Finding out the related drug use algorithms can help to optimize their learning performances, attitudes and professional services.

Keywords: Drug use; University; Students; Kermanshah