

Knowledge and Attitude Towards Antibiotic Usage: A Questionnaire-Based Survey Among Pre-Professional Students at King Saud bin Abdulaziz University for Health Sciences on Jeddah Campus, Saudi Arabia



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Biography

Dr. Faisal Zaidi is currently the assistant professor in the Department of Basic Medical Sciences, College of Medicine, King Saud Bin Abdulaziz University of Health Sciences, King Abdulaziz Medical City, Makkah Highway, Jeddah. He completed his Ph.D from University of Toyama, at the year 2009 in department of Pharmacology, (Gastrointestinal Disorders). He received young investigator award in 10th Japan-Korea joint symposium, Seoul, Korea (June 2013). Dr Zaidi has also received several grants and is also serving as principal investigators. He is also the editorial board member of Pakistan Journal of Pharmaceutical Sciences and has been reviewers for journals like Biochemical and Biophysical Research Communications, European Journal of Integrative Medicine, BMC complementary & Alternative Medicine, Medicinal Chemistry etc. He has also done more than 20 publication.

Abstract

Introduction: Knowledge and attitudes towards proper antibiotic usage among students in medical and other health allied fields play a vital role in limiting the pandemic of antibiotic resistance. This study aimed to assess knowledge and attitudes toward antibiotic usage among pre-professional students at King Saud bin Abdulaziz University for Health Sciences on Jeddah Campus, Saudi Arabia.

Methods: A self-administered cross-sectional survey of 347 first year students was conducted at the College of Science and Health Professions, King Saud bin Abdulaziz University for Health Sciences using a validated questionnaire.

Results: Nearly 63% of the students had a moderate level of knowledge. Two third of the students (69.7%) correctly knew that antibiotics are indicated for the treatment of bacterial infections. However, about 36% of the students incorrectly thought that antibiotics are also used to treat viral infections, while 28.5% were not sure. Only 38.8% of the students were aware of antibiotic resistance phenomena in relation to the overuse of antibiotics. Furthermore, only 27.3% correctly knew that penicillin is an antibiotic, and 74.4% were not sure if Paracetamol is an antibiotic. With regard to attitudes, 25.7% believed that taking antibiotics when having cold symptoms could help them to recover faster, while 39.6% expected antibiotics to be prescribed for common cold symptoms.

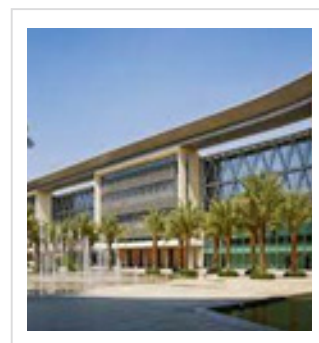
Conclusion: The students have misconception regarding antibiotic use indications. Therefore, awareness campaigns are needed to promote student's use of antibiotics in young generations particularly among the pre-professional health sciences student

Publications

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