

# 2<sup>nd</sup> International Conference on Healthcare & Hospital Management and 6<sup>th</sup> International Conference on Medical & Nursing Education

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## IMPROVING PHYSICIANS' ADHERENCE TO GUIDELINES REGARDING ANTIBIOTICS USE IN ACUTE UPPER RESPIRATORY TRACT INFECTIONS IN ADULT PATIENTS ATTENDING MINISTRY OF HEALTH HOSPITALS IN ALEXANDRIA, EGYPT: AN INTERVENTIONAL STUDY

Sarah K Amer<sup>a</sup>, Ramez N Bedwani<sup>a</sup>, Gihan M Shehata<sup>a</sup> and Alaa Abouelfetouh<sup>a</sup><sup>a</sup>Alexandria University, Egypt

Antibiotic resistance, as a major public health problem, has its roots in the irrational use of antibiotics, consequently causing treatment failure. It is commonly seen in treating acute upper respiratory tract infections. AURTI include sinusitis, pharyngitis and bronchitis. Adherence to guidelines is not completely afforded due to poor knowledge of physicians in management of AURTI. They fail to perform a definite differentiation between the viral and the bacterial type of the infection. Also, patients affect physicians' prescribing habits; as patients feel satisfied being prescribed antibiotics. This study aims to increase physicians' adherence to current clinical guidelines for AURTI regarding the use of antibiotics. A predesigned questionnaire was used for the assessment of the physicians' adherence to the guidelines before and after the intervention. Active and passive interventions to improve physicians' adherence to guidelines as short – session for physicians of didactic teaching and antibiotic guideline posters in respiratory unit clinics. Throat swab using Rapid Strep A Test strip (RADT). Using active and passive interventions can change prescribing habits. Physicians' adherence to guidelines will be perceptible, resulting in improvement of appropriate antibiotic use for AURTI, reduction of unnecessary healthcare costs and advance in quality of care provided by outpatient clinics. Physicians' qualifications and the use of RADT in Pharyngeal Infection play a significant role affecting the adherence to guidelines and prescribing of the proper antibiotic.

### Biography

Sarah K Amer is a Pharmacist, graduated from Faculty of Pharmacy, Alexandria University, Egypt. She has a Master's degree in Biomedical Informatics and Medical Statistics from Medical Research Institute, Alexandria University, Egypt. She got a Microbiology diploma from the High Institute of Public Health, Alexandria University, Egypt. She is expertise in antibiotic resistance research field and passion in improving the quality of diagnosis and treatment provided in Healthcare settings. She has participated in Dubai International Pharmaceuticals & Technologies Conference & Exhibition (DUPHAT 2017) as Professional Poster Presenter representing the Microbiology Department, Faculty of Pharmacy, Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt. She has a five-year experience of teaching of different fields; Microbiology, Pharmacology and Biochemistry. Currently she is working as a Lecturer Associate in Microbiology Department, Faculty of Pharmacy, Arab Academy for Science, Technology and Maritime Transport, Alexandria, Egypt.

sarah7amer8@gmail.com

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