



Antibiotics Use and Stewardship in Hospitals and Outpatients Care Facilities

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Message from the Guest Editors

Dear Colleagues,

Antimicrobial stewardship programs (ASPs) and tactics continue to be the most effective way to combat the growing global bacterial resistance threat that has emerged in recent decades. Antimicrobial resistance and the emergence of many multidrug-resistant organisms (MDRO) are responsible for rising healthcare-related financial burden as a result of prolonged hospitalization stays, hospital-acquired infections (HAIs), and antimicrobial treatment costs, as well as high morbidity and mortality rates.

There is always room for innovation in the multidisciplinary approaches that outpatient or inpatient services should adopt in order to deliver the optimal antimicrobial treatment and achieve the best clinical outcomes. These strategies include identifying the resistance patterns, risk factors for infections and related mortalities, stringent infection control procedures, proper antimicrobial selection, regimen optimization, therapeutic drug monitoring, treatment assessment, and the use of rapid diagnostic tools.





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Message from the Editor-in-Chief

There are very few fields that attract as much attention as scientific endeavor related to antibiotic discovery, use and preservation. The public, patients, scientists, clinicians, policy-makers, NGOs, governments, and supra-governmental organizations are all focusing intensively on it: all are concerned that we use our existing agents more effectively, and develop and evaluate new interventions in time to face emerging challenges for the benefit of present and future generations. We need every discipline to contribute and collaborate: molecular, microbiological, clinical, epidemiological, geographic, economic, social scientific and policy disciples are all key. *Antibiotics* is a nimble, inclusive and rigorous indexed journal as an enabling platform for all who can contribute to solving the greatest broad concerns of the modern world.

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