

Special Issue

Antibiotic Resistance in Geriatric Emergency Patients: Challenges and Strategies for Optimal Management

Message from the Guest Editors

Antibiotic resistance represents a growing global threat, and its impact is especially pronounced among geriatric patients presenting to emergency departments. Elderly patients often have multiple comorbidities, immunosenescence, and frequent prior antibiotic exposures, all of which contribute to colonization and infection with resistant organisms. Early recognition of resistance patterns is critical for selecting appropriate empiric therapy and avoiding delays that can worsen outcomes. But clinical decision tools and antibiograms tailored specifically to older adults remain limited. This Special Issue seeks original research and reviews that address epidemiology, diagnostic challenges, and management strategies for antibiotic-resistant infections in geriatric emergency patients. We welcome studies on rapid diagnostic approaches, stewardship interventions, pharmacokinetic/pharmacodynamic considerations in the elderly, and implementing age-adapted treatment guidelines. By bringing together clinical data, translational research, and practical recommendations, we will foster evidence-based practices that optimize antimicrobial use and improve prognosis in this vulnerable population.

Guest Editors

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About the Journal

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 disciplines 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.

Editor-in-Chief

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