



Interactions Between Antibiotics and Other Drugs - Common Clinical Problem

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Message from the Guest Editors

Dear Colleagues,

The issue of drug interactions is crucial in daily clinical practice for physicians, nurses, and pharmacists. This problem is especially important in the case of antibiotics, where the interplay between co-administered drugs can change the pharmacological activity of the antibiotic and may affect the treatment of the infection. The safety of drug administration is a vital aspect of clinical practice, especially in light of reports showing that about half of all intravenous preparations and infusions are administered incorrectly. The use of incompatible preparations causes approximately 20% of all medical errors and accounts for 89% of errors in drug administration.

This Special Issue is dedicated to interactions between antibiotics and parenteral drugs and aims to draw together experts in the fields of pharmaceutical sciences, microbiology, chemistry, and clinical medicine. Submissions (original papers and reviews) contributing to the understanding of drug–drug interactions and presenting implications for clinical practice are invited for this Issue.

Keywords: antibiotics interaction; medical errors; drug compatibility; drug stability; drug safety





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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 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.

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