

Special Issue

Diagnostics and Antibiotic Therapy in Orthopedic Infections

Message from the Guest Editors

Infections following orthopedic surgery remain as some of the most clinically challenging complications to manage. Orthopedic infection treatment requires multidisciplinary teams and is associated with high costs, prolonged courses of antibiotic therapy, and often multiple surgical interventions. Infection eradication rates remain sub-optimal, and treatment is associated with poor clinical and patient-reported outcomes. Hardware associated infections, such as fracture-related infections and prosthetic joint infections, remain particularly difficult to manage due to the formation of intransigent bacterial biofilms, and major innovations in both surgical care and antibiotic therapy are desperately needed to improve patient outcomes and reduce treatment morbidity. For this SI, we invite the submission that will advance our understanding of current diagnostics and therapeutics relevant to the management of orthopedic infections. Submissions from researchers across all relevant clinical and scientific disciplines are welcome. Submissions describing novel diagnostic modalities or those that inform antibiotic management in current clinical practice are especially encouraged.

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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