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## Orthopedic Implant-Associated Infections: Unlocking the Secrets of Prevention and Treatment

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### Message from the Guest Editors

The fundamental aspects of orthopedic implants, as well as an exploration of the interactions between the device, the host, and the infecting microorganisms, will be addressed. Through a meticulous analysis of the risk factors and pathogenesis, we will gain valuable insights into the identification and prevention of implant-associated infections.

This Special Issue will also offer a detailed exploration of the diagnostic modalities available, including traditional and advanced laboratory techniques, imaging studies, and molecular testing methods. We will discuss the challenges associated with early detection, as well as the emerging technologies that hold promise for a more accurate and timely diagnosis.

Furthermore, we will highlight the latest advancements in the field of antimicrobial therapies, ranging from prophylactic measures to targeted treatment strategies. We will delve into the intricacies of antibiotic stewardship, the role of implant coatings, and the potential of immunotherapeutic interventions. The different surgical strategies and their outcomes will be the object of this Special Issue.



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# Special Issue



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## Message from the Editor-in-Chief

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