

Special Issue

Diagnosis and Management of Bone Infection

Message from the Guest Editors

Bone infection represents a diagnostic and therapeutic challenge. Accurate diagnosis and correct surgical treatment in combination with targeted antimicrobials are prerequisites to achieving the best outcome. The aim of treatment is the eradication of the infection and the restoration of skeletal anatomy in order to maintain and regain bone biological function. The management of bone infection needs surgical intervention to remove dead and infected tissue and reestablish skeletal (bone and soft tissue) integrity.

In this Special Issue, concepts related to the prevention and treatment of infection associated with open fractures and internal fracture fixation will be reviewed. The key to success is a multi-disciplinary team approach integrating clinical expertise, diagnostic algorithms, appropriate surgery, and local and systemic antimicrobials. It is also necessary to consider some specific aspects in special circumstances such as the presence of diabetic foot infections, peri-prosthetic joint infections, and infection in children that require a nuanced approach. Studies in these areas are also welcomed.

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