



Clinical Therapeutic Advances in Bone Fractures

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Message from the Guest Editors

In recent years, there have been significant therapeutic advances in the management of bone fractures, from diagnostic methods to the ongoing optimization of fracture healing, as well as the rehabilitation of patients returning to work.

This Special Issue on “Clinical Therapeutic Advances in Bone Fractures” is dedicated to showcasing innovations in the treatment of bone fractures. These approaches to bone repair include biological methods such as bone morphogenetic proteins or stem cells, as well as orthobiologics like bone substitutes that provide scaffolding for new bone formation and aid in fracture stabilization. Additionally, biomechanical enhancements, minimally invasive surgical techniques, and enhanced rehabilitation protocols can optimize functional recovery and prevent complications such as fracture-related infections, nonunion, and functional deficits. Furthermore, the utilization of molecular diagnostics and technological innovations such as 3D printing for the creation of patient-specific implants and scaffolds allows clinicians to improve the precision and effectiveness of fracture fixation and bone regeneration.





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