

Special Issue

Diagnostic Tools and Therapeutic Strategies for Hip Diseases

Message from the Guest Editors

Hip diseases include a wide range of miscellaneous disorders implying degenerative, inflammatory, and traumatic pathogenesis. Arthritis of the hip represents the most common and treated pathology, with total Hip arthroplasty (THA) as the index procedure for the last 50 years for treated Hip diseases. Nevertheless, new advances in diagnostic imaging tools allow us to explore the hip and whole pelvis with more precision and accuracy to achieve the goal of long-lasting prosthetic implants and a reduced risk of failure and complications. In this Special Issue, titled “Diagnostic Tools and Therapeutic Strategies for Hip Diseases”, we aim to solicit manuscripts that highlight the recent developments and advances in diagnostic imaging for primary and revision reconstructive surgery, 3D modeling and printing applications for total hip arthroplasty, and finite element analysis simulation of THA failure patterns. The future treatment of hip and pelvis degenerative disease relies on regenerative medicine and bone tissue engineering, and therefore, original research and new perspectives about 3D bioprinting technologies are welcome in this collection.

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