

Special Issue

New Advances in Total Knee Arthroplasty

Message from the Guest Editor

Knee osteoarthritis (OA) is the primary condition necessitating knee replacement surgery. Increasing life expectancies and the global obesity epidemic are driving a rapid rise in the prevalence of knee OA, consequently leading to a higher demand for knee replacement surgeries. Acute and persistent pain (often nocturnal), severe functional disability, and the failure of non-surgical treatments are key factors that lead to the decision for surgical intervention. The two main surgical options for late-stage medial compartment OA of the knee are total knee arthroplasty (TKA) and unicompartmental knee arthroplasty (UKA). Given the diverse clinical and radiographic presentations of knee OA and the new directions and improvements in replacement surgical procedures, it is essential to evaluate the clinical, radiological, and biomechanical outcomes of treated patients. Additionally, studies focusing on knee prostheses for benign or malignant bone tumors, as well as biochemical evaluations, are welcome. We aim to establish this Special Issue to gather original articles and reviews on these topics.

Guest Editor

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