

Special Issue

Recent Management and Future Perspectives on Knee Arthroplasty

Message from the Guest Editor

Total knee arthroplasty (TKA) is a widely performed procedure aimed at alleviating pain and improving function in patients with end-stage arthritis. Despite its success, a subset of patients report dissatisfaction, often due to postoperative pain, stiffness, or knee laxity. Recent research has focused on evaluating various parameters to optimize outcomes, including alignment, implant design, and surgical techniques. This special issue reviews current evidence regarding advancements in TKA, such as the use of robotic-assisted surgery and personalized implants, with an emphasis on evidence-based approaches. It discusses the importance of individualized treatment strategies tailored to each patient's anatomy and biomechanics, supported by recent clinical studies. The goal of this Special Issue is to present a balanced, evidence-driven overview of the current state of TKA and identify avenues for future research based on robust scientific data.

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