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Knee Arthroplasty—Advancements in Techniques and Arising Complications

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Message from the Guest Editors

Knee arthroplasty is well-regarded for its cost effectiveness, pain relief, and improvement in mobility for an end-stage osteoarthritis. Patient-specific instruments, custom-made implants, fast-track knee arthroplasty, navigations and robotics have been utilised to minimize surgical stress and to improve post-operative outcomes. At the same time, acute and chronic pain control after surgery and early rehabilitation care remain a query that has received unproportionally little attention. Finally, new and modern implants have been introduced for knee arthroplasty, and the criteria for unicompartmental knee surgery have been stretched in recent years.

With this Special Issue, we want to provide an update about current advancements and their contribution in knee arthroplasty techniques and fighting the complications.

The topics of interest for this Special Issue are as follows: current concepts, advancements, novelties, approaches, qualifications, and limitations in total and unicompartmental knee arthroplasty; minimally invasive surgery in knee arthroplasty; patient-specific instrumentations and customized implants; patient-specific alignment (PSA), etc.



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Special Issue



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