



Trends and Developments in Hip and Knee Arthroplasty Technology

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Message from the Guest Editors

Hip and knee arthroplasties are two of the most frequent operations carried out in orthopaedic and trauma surgery. In the last decade, robot-assisted surgeries have seen a comeback in joint replacement of the hips and knees, alongside advances in patient-specific instruments and implants and improved materials. Novel technologies, including 3D printing and digital advancements such as augmented reality and artificial intelligence, promise better preoperative surgery planning and enhanced intraoperative performances.

This Special Issue will provide a comprehensive overview on the latest trends and developments in hip and knee arthroplasty technology.

Keywords

- knee arthroplasty
- hip arthroplasty
- robot-assisted arthroplasty
- patient-specific implants
- augmented reality
- 3D printing





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