Trends and Developments in Hip and Knee Arthroplasty Technology

Guest Editors:

Dr. Clemens Kösters
Klinik für Orthopädie, Unfall-und Handchirurgie, Maria-Josef-Hospital Greven, Greven, Germany

Dr. Sebastian Metzlaff
Klinik für Orthopädie und Unfallchirurgie, St. Joseph Krankenhaus Berlin, Berlin, Germany

Prof. Dr. Ralf Dieckmann
Klinik für Orthopädie und Unfallchirurgie, Krankenhaus der Barmherzigen Brüder Trier, Trierweiler, Germany

Deadline for manuscript submissions:
closed (20 October 2023)

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

mdpi.com/si/128734

Special Issue

Editor-in-Chief

Prof. Dr. Edgaras Stankevičius
Medical Academy, Lithuanian
University of Health Sciences,
Kaunas, Lithuania

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Medicina* (ISSN: 1648-9144). *Medicina* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on medicine. The scientific community and the general public can access the content free of charge as soon as it is published.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, and other databases.
Journal Rank: JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

Contact Us