



Joint Arthroplasty: Current Status, Challenges, and Future Directions

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Message from the Guest Editor

Total joint arthroplasty procedures are among the most prevalent and utilized surgeries in modern medicine, improving pain and function for millions of patients annually. Populations undergoing total joint arthroplasty are increasingly comorbid, thus highlighting the importance of preoperative optimization and evidence-based recovery pathways. The periprosthetic joint infection continues to be a leading cause of failure, with significant associated morbidity, mortality, and cost. Finally, patients expect higher levels of post-operative function. This has sparked interest in alternative concepts of lower extremity alignment about the knee, spinopelvic mechanics in the hip, and the rapid development of new implants and technologies to enable these concepts.

By understanding the current state of the art and challenges in joint arthroplasty, future options may offer safer, higher-functioning joint replacements for patients. Therefore, we welcome the submission of original research papers dealing with the topics of arthroplasty.





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