

The [Orthopedic Surgery Case Reports Journal](#) publishes high-quality, peer-reviewed, open-access articles focusing on **Custom Implants in Joint Replacement**. The journal welcomes clinically relevant submissions that document rare, complex, and challenging cases involving patient-specific implants used in joint replacement surgery.

Custom implants in joint replacement are increasingly used to manage complex primary and revision cases where standard implants are insufficient. These implants are designed based on individual patient anatomy and pathology, offering improved fit, stability, and functional outcomes. Case-based reporting plays a critical role in understanding indications, design considerations, surgical techniques, and clinical results associated with custom joint implants.

Scope of the Section

This section covers a broad range of topics related to custom implants in joint replacement, including but not limited to:

- Patient-specific hip and knee implants
- Custom acetabular and femoral components
- Custom knee prostheses for severe bone loss
- Complex primary joint replacement using custom implants
- Revision arthroplasty with custom-designed implants
- Management of massive bone defects
- 3D-printed and computer-assisted implant design
- Surgical planning and execution using custom implants
- Clinical outcomes and implant-related complications

Custom Implants in Hip Replacement

Custom hip implants are commonly used in patients with severe acetabular or femoral bone loss, abnormal anatomy, or failed previous arthroplasty. These implants allow tailored reconstruction and improved implant fixation where conventional components are inadequate.

Case reports and case series highlight indications for custom hip implants, preoperative planning using advanced imaging, surgical techniques, and short- and long-term outcomes.

Custom Implants in Knee Replacement

In knee arthroplasty, custom implants are utilized for patients with complex deformities, extensive bone loss, or ligamentous instability. Patient-specific implants and cutting guides improve alignment, stability, and joint function.

Published case reports document surgical strategies, implant performance, complication management, and functional outcomes following custom knee replacement procedures.

Clinical Importance of Case Reports

Case reports and case series are essential for sharing real-world experiences with custom implants in joint replacement. They provide valuable insight into implant design, surgical challenges, decision-making, and outcomes, contributing to improved orthopedic practice and innovation.

Topics of Interest Include

- Custom implant case reports in joint replacement
- Patient-specific hip and knee arthroplasty case series
- Custom implants for revision joint replacement
- Management of severe bone loss with custom implants
- 3D-printed orthopedic implant case reports
- Computer-assisted design in joint replacement implants
- Complex primary arthroplasty using custom implants
- Implant-related complications and outcomes

Submission Categories

Case Reports

Case Series

Video Case Reports

Image Articles

Editorials

Online Submission

Authors are requested to submit their manuscripts using our Online Manuscript Submission Portal: <https://www.orthosurgerycasereports.org/submit.html> (or) may also submit via email to: editor@orthosurgerycasereports.org.