

The **Complex Total Knee Arthroplasty Case Reports** section of the [Orthopedic Surgery Case Reports Journal](#) focuses on challenging clinical scenarios encountered in total knee arthroplasty (TKA). This section publishes **case reports, case series, and technical notes** that address complex primary and revision knee replacements requiring advanced surgical planning and execution.

As an **open-access, peer-reviewed journal**, the Orthopedic Surgery Case Reports Journal aims to disseminate clinically significant and practice-oriented research that enhances outcomes in complex knee reconstruction. These cases often involve **severe deformities, extensive bone loss, ligament imbalance, infection sequelae, and failed prior surgeries**, demanding specialized implants and surgical expertise.

This journal page highlights real-world experiences in managing complex TKA cases, including **preoperative assessment, implant selection, intraoperative strategies, and postoperative rehabilitation**. It provides valuable insights into decision-making for difficult knee arthroplasty cases that fall outside routine practice.

Scope of Complex Total Knee Arthroplasty

This section covers a wide range of advanced knee arthroplasty scenarios, including:

Complex Primary Total Knee Arthroplasty

- Severe varus and valgus deformities
- Post-traumatic knee arthritis
- Stiff knees and extra-articular deformities
- Inflammatory and metabolic bone disorders

Revision Total Knee Arthroplasty

- Aseptic loosening and implant failure
- Periprosthetic fractures
- Instability and malalignment
- Management of bone defects using augments and cones

Implant and Technique Considerations

- Constrained and semi-constrained knee prostheses
- Hinged knee implants
- Custom and patient-specific knee implants
- Computer-assisted and navigation-guided TKA

Complications and Outcomes

- Infection management and staged revision
- Soft-tissue balancing challenges
- Functional recovery and long-term outcomes
- Strategies to minimize complications

Types of Articles Accepted

The Orthopedic Surgery Case Reports Journal accepts:

- Case Reports
- Case Series
- Technical Notes
- Brief Correspondence
- Surgical Technique Articles
- Editorials and Commentary

All articles are published with **unrestricted open access**, ensuring global accessibility to advanced knee arthroplasty knowledge.

Journal Focus

With a comprehensive and clinically focused approach, the **Complex Total Knee Arthroplasty Case Reports** section offers insights into:

- Advanced surgical strategies for difficult TKA cases
- Personalized implant selection and reconstruction techniques
- Management of complications and revisions
- Improvement of functional and patient-reported outcomes

This journal page serves as a dedicated platform for orthopedic surgeons and researchers to share clinical expertise and innovations in **complex knee arthroplasty**.

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.