

The [Orthopedic Surgery Case Reports Journal](#) publishes high-quality, peer-reviewed, open-access articles focusing on **Periprosthetic Fractures and Complications**. The journal accepts clinically relevant submissions that advance orthopedic knowledge through detailed documentation of rare, complex, and challenging cases involving fractures around orthopedic implants and associated complications.

Periprosthetic fractures are fractures that occur in close proximity to orthopedic implants, most commonly around hip and knee arthroplasties. The incidence of these fractures has increased due to the growing number of joint replacement procedures, an aging population, and improved patient longevity. Proper diagnosis, classification, and surgical planning are essential to achieve optimal functional outcomes and minimize complications.

Scope of the Section

This section covers a broad range of topics related to periprosthetic fractures and orthopedic complications, including but not limited to:

- Periprosthetic fractures around hip, knee, shoulder, and elbow implants
- Implant loosening, wear, and mechanical failure
- Periprosthetic joint infections and septic complications
- Bone loss and compromised bone quality
- Nonunion, delayed union, and malunion of fractures
- Surgical fixation techniques around orthopedic implants
- Complications following primary and revision arthroplasty
- Functional outcomes and postoperative rehabilitation

Periprosthetic Fractures

Periprosthetic fractures occur adjacent to orthopedic implants such as total hip or knee prostheses. These injuries often present significant surgical challenges due to altered anatomy, reduced bone stock, and the presence of existing implants. Risk factors include osteoporosis, trauma, implant loosening, and previous revision surgery.

Case reports and case series provide valuable insight into fracture classification, decision-making, fixation strategies, implant revision techniques, and patient outcomes. These reports contribute to improved understanding of best practices for managing complex periprosthetic fractures.

Orthopedic Complications

Orthopedic complications may include implant failure, periprosthetic infection, nonunion or malunion, nerve or vascular injury, and postoperative stiffness. Early recognition and appropriate intervention are crucial to prevent long-term morbidity. Case-based reports highlight rare presentations, innovative management approaches, and lessons learned from challenging complications.

Clinical Importance of Case Reports

Case reports and case series play a vital role in orthopedic education by documenting uncommon conditions, unexpected complications, and novel surgical techniques. Sharing real-world experiences in managing periprosthetic fractures and complications supports better clinical decision-making and improved patient care.

Topics of Interest Include

- Periprosthetic fracture case reports
- Periprosthetic fracture case series
- Fractures around hip, knee, and shoulder implants
- Classification and management of periprosthetic fractures
- Implant loosening and mechanical failure complications
- Periprosthetic joint infection–related fractures
- Nonunion and malunion in periprosthetic fractures
- Bone loss and poor bone quality around implants
- Surgical fixation techniques for fractures around prostheses
- Complications following primary and revision arthroplasty
- Complex reconstruction after periprosthetic fractures
- Clinical outcomes of periprosthetic fracture management

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.