

The **Patient-Specific Orthopedic Implants and Guides** section of the [Orthopedic Surgery Case Reports Journal](#) features high-quality articles focusing on personalized orthopedic solutions tailored to individual patient anatomy and pathology. This section publishes **case reports, case series, technical notes, and surgical innovations** related to custom-designed orthopedic implants and patient-specific surgical guides.

As an **open-access, peer-reviewed journal**, the Orthopedic Surgery Case Reports Journal aims to disseminate clinically impactful and society-relevant research that advances **precision orthopedic surgery**. The journal highlights the role of advanced imaging, digital planning, and computer-aided design in improving surgical accuracy, implant fit, functional outcomes, and long-term patient satisfaction.

This section emphasizes the **clinical application of patient-specific implants and guides**, including their design process, surgical workflow, intraoperative execution, and postoperative outcomes. It provides insights into how individualized orthopedic solutions can address complex deformities, bone loss, revision surgeries, and rare anatomical variations that are difficult to manage using standard implants.

Scope of Patient-Specific Orthopedic Implants and Guides

The journal covers a broad range of orthopedic subspecialties and anatomical regions, including but not limited to:

Joint Reconstruction and Arthroplasty

- Patient-specific knee, hip, shoulder, and ankle implants
- Custom joint replacement components
- Revision arthroplasty using personalized implants
- Alignment correction using patient-specific cutting guides

Trauma and Complex Fracture Management

- Custom fixation plates and screws
- Patient-specific guides for fracture reduction
- Reconstruction of comminuted and periarticular fractures
- Limb length discrepancy correction

Spine Surgery

- Patient-specific spinal implants
- Custom pedicle screw guides
- Vertebral body replacement systems
- Deformity correction using individualized planning

Oncology and Bone Defects

- Custom implants for tumor-related bone resections
- Reconstruction after limb-sparing surgery
- Pelvic and acetabular patient-specific implants

3D Printing and Digital Orthopedics

- 3D-printed orthopedic implants

- Virtual surgical planning and simulation
- CAD/CAM-based implant design
- Navigation-assisted and robotic-assisted personalized surgery

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

The journal provides **unrestricted access to published data**, supporting clinical education, surgical innovation, and evidence-based orthopedic practice worldwide.

Journal Focus

With a comprehensive and forward-looking perspective, the **Patient-Specific Orthopedic Implants and Guides** section offers insights into:

- Personalized implant biomechanics
- Surgical accuracy and reproducibility
- Reduction of complications and revision rates
- Functional recovery and patient-reported outcomes

This journal page serves as a dedicated platform for orthopedic surgeons, researchers, and biomedical engineers to share real-world experiences and advancements in **customized orthopedic care**.

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.