

The **Case Reports in 3D Printing in Orthopedic Implants** section of the **Orthopedic Surgery Case Reports Journal** highlights clinical applications of additive manufacturing and patient-specific implant technologies in orthopedic practice. This section focuses on real-world cases demonstrating how 3D printing is transforming implant design, surgical precision, and personalized patient care.

3D printing has enabled the development of customized orthopedic implants, surgical guides, and prostheses tailored to individual anatomy. Case reports in this area provide valuable insights into design rationale, surgical workflow, biomechanical performance, clinical outcomes, and long-term follow-up of 3D-printed orthopedic solutions.

Scope of This Section

We welcome case reports and case series including, but not limited to:

- Patient-specific 3D-printed orthopedic implants
- Custom joint replacement components
- 3D-printed implants for complex bone defects
- Additive manufacturing in trauma and reconstruction
- 3D-printed spinal cages and fixation devices
- Personalized implants in orthopedic oncology
- Custom surgical guides and templates
- Revision surgery using 3D-printed implants
- Clinical outcomes and complications of 3D-printed implants

Article Types Accepted

- Novel or rare case reports involving 3D-printed implants
- Case series demonstrating functional and radiological outcomes
- Technical notes on implant design and manufacturing workflow
- Complication management and revision strategies
- Innovation-focused clinical case observations

Why Publish With Us

- Specialized focus on advanced orthopedic implant technologies
- Expert peer review by orthopedic and biomedical specialists
- Open-access publication for worldwide visibility
- Rapid editorial decision and publication timelines
- High discoverability through academic indexing

Publishing in this section supports the advancement of personalized, precision-driven orthopedic care through clinically relevant case documentation.

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.