

The **Case Reports in Digital Orthopedics and Smart Implants** section of the [Orthopedic Surgery Case Reports Journal](#) focuses on the integration of digital technologies and intelligent implant systems in contemporary orthopedic practice. This section publishes **case reports, case series, technical notes, and innovative clinical experiences** that demonstrate how digital tools and smart implants enhance diagnosis, surgical precision, postoperative monitoring, and patient outcomes.

As an **open-access, peer-reviewed journal**, the Orthopedic Surgery Case Reports Journal aims to disseminate clinically relevant and technology-driven research that reflects the evolving landscape of **data-enabled orthopedic care**. Digital orthopedics combines advanced imaging, analytics, connectivity, and sensor technology to support informed clinical decision-making throughout the continuum of care.

This journal page highlights the clinical use of **smart implants equipped with sensors**, digital platforms for surgical planning, real-time data collection, remote monitoring, and outcome tracking. It provides insights into how digital ecosystems improve implant performance, patient engagement, and long-term functional recovery.

Scope of Digital Orthopedics and Smart Implants

This section covers a wide range of orthopedic applications, including:

Smart and Sensor-Enabled Implants

- Load-sensing joint implants
- Smart fracture fixation devices
- Implant-embedded sensors for real-time monitoring
- Early detection of implant failure or loosening

Digital Surgical Planning and Navigation

- Computer-assisted orthopedic surgery
- Data-driven preoperative planning
- Integration with navigation, robotics, and AR systems
- Workflow optimization through digital platforms

Postoperative Monitoring and Outcome Assessment

- Remote patient monitoring using connected implants
- Digital rehabilitation and recovery tracking
- Patient-reported outcome measures (PROMs)
- Predictive analytics for complication prevention

Applications Across Orthopedic Subspecialties

- Arthroplasty and joint reconstruction
- Trauma and fracture management
- Spine surgery
- Sports medicine and musculoskeletal care

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 published articles are available with **unrestricted open access**, supporting global dissemination of knowledge and innovation in orthopedic surgery.

Journal Focus

With a forward-thinking and technology-oriented perspective, the **Case Reports in Digital Orthopedics and Smart Implants** section offers insights into:

- Personalized and data-guided orthopedic care
- Improved implant performance and safety
- Enhanced patient monitoring and engagement
- Long-term outcome optimization through digital innovation

This journal page serves as a dedicated platform for orthopedic surgeons, researchers, and digital health innovators to share clinical experiences and emerging evidence in **digital orthopedics and smart implant technologies**.

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.