

## Special Issue

# Spine Surgery Innovations: Clinically Advanced Treatment and Technologies

### Message from the Guest Editor

The field of spine surgery is rapidly evolving with the integration of novel techniques and cutting-edge technologies that enhance surgical precision, patient outcomes, and recovery. Minimally invasive spine surgery (MIS) approaches, including lateral and anterior techniques as well as endoscopic spine surgery, have revolutionized spinal procedures by reducing surgical morbidity and accelerating rehabilitation. Additionally, the application of wearable biometrics, artificial intelligence, and big data analytics is transforming perioperative decision-making, predictive modeling, and personalized patient care. As these advancements continue to shape the future of spine surgery, it is essential for clinicians and researchers to stay informed on the latest developments. This Special Issue invites original research, reviews, and clinical studies on innovations in spine surgery, including advancements in MIS techniques, AI-driven analytics, digital health technologies, and novel surgical devices. We encourage contributions that explore these technologies, providing insights into their real-world applications and future directions.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 November 2025)



## Journal of Clinical Medicine

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