

## 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

Dr. Jang W. Yoon

Department of Neurosurgery, Perelman School of Medicine, University of Pennsylvania, Philadelphia, PA 19104, USA

### Deadline for manuscript submissions

30 November 2025



## Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/235274](https://mdpi.com/si/235274)

*Journal of Clinical Medicine*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[jcm@mdpi.com](mailto:jcm@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[jcm](https://jcm)





# Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/journal/  
jcm](https://mdpi.com/journal/jcm)



## About the Journal

### Message from the Editorial Board

There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

---

### Editors-in-Chief

Prof. Dr. Emmanuel Andr s

Internal Medicine Department, University Hospital Strasbourg, 67000  
Strasbourg, France

Prof. Dr. Kent Doi

Department of Acute Care Medicine, University of Tokyo, Tokyo, Japan

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.7 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).