

## Special Issue

# Improving Safety and Outcomes in Complex Spine Surgery: Advancements in Complication Prediction, Surgical Optimization, and Techniques

### Message from the Guest Editor

Complex spine surgery such as involving deformity or tumors has a high complication rate. Although the benefits of surgery have been proven, improving safety remains a primary objective in our field. Advancements in predictive analytics have allowed for preoperative risk stratification, patient counseling, and potential modification of surgical plans. The presence of two specialist surgeons in the operating room, the use of multidisciplinary approaches, minimally-invasive techniques, and other methods have also been shown to potentially decrease complications and improve outcomes in complex spinal disorders. Lastly, advancements such as intraoperative navigation or robotic spine surgery have allowed for improved accuracy and prompt identification or treatment of implant-related adverse events.

---

### Guest Editor

Dr. Rafael De la Garza Ramos

Department of Neurological Surgery, Montefiore Medical Center/Albert Einstein College of Medicine, 3316 Rochambeau Avenue, Bronx, NY, USA

---

### Deadline for manuscript submissions

closed (23 March 2023)



## Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.7  
Indexed in PubMed



[mdpi.com/si/113367](https://mdpi.com/si/113367)

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

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





# Journal of Clinical Medicine

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.7  
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 17.3 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 2024).