

## Special Issue

# Advancements in Minimally Invasive Neurosurgery

### Message from the Guest Editors

Advancements in minimally invasive neurosurgery have revolutionized the treatment of complex neurosurgical conditions and offer improved precision and reduced patient morbidity. This Special Issue highlights key innovations that include refined endoscopic techniques, robot-assisted platforms, and image-guided navigation systems, which boost intraoperative visualization and accuracy. These provide safe and effective therapies for patients. Enhanced targeted interventions are provided by innovations in laser ablation, focused ultrasound, and biomarker-driven approaches. These have transformed the treatment of tumors, vascular malformations, and epilepsy with minimal tissue disruption. Clinical outcomes demonstrate faster patient recovery, fewer complications, and better functional preservation compared to traditional surgical methods. Employing these techniques exposes challenges in the training of surgeons and standardization of protocols. Opportunities in emerging AI integration technology and personalized therapeutic strategies signal a transformative era in neurosurgical care.

### Guest Editors

Dr. Sanjeeva Jeyaretna

1. Department of Neurosurgery, John Radcliffe Hospital, Headley Way, Headington, Oxford OX3 9DU, UK
2. Nuffield Department of Surgical Sciences, University of Oxford, Oxford, UK

Dr. Kumar Abhinav

Department of Neurosurgery, Center for Skull Base, Pituitary and Cerebrovascular Neurosurgery, Bristol Institute of Clinical Neurosciences, Southmead Hospital, Southmead Rd, Bristol BS10 5NB, UK

### Deadline for manuscript submissions

20 April 2026



## Journal of Clinical Medicine

an Open Access Journal  
by MDPI

Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



[mdpi.com/si/254017](https://mdpi.com/si/254017)

*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).