

Special Issue

Robot-Assisted Surgery: Current Trends and Future Perspectives

Message from the Guest Editors

Robotic-assisted surgery is revolutionizing minimally invasive surgery. It offers an incomparable degree of precision, a shorter recovery time, and more advanced procedures. This Special Issue addresses current trends and future prospects in robotic-assisted surgery. Discussed topics include developmental studies on the next generation of robotics, integrated artificial intelligence (AI) and extended reality (VR, AR, MR) for decision-making and navigation, and broadening application niches of surgery in different medical fields. The challenge of automation, ergonomics, haptics, and standardization is to be focused on forming the basis for training and certification programs to facilitate the adopted use of robotic-assisted techniques. Discussions regarding key issues will bring to mind important aspects concerning the evolution of robotic surgery and how it can change surgical practice forever. We welcome all possible contributions from researchers, clinicians, and industry experts in providing their findings, innovations, and future ideas in this exciting field.

Guest Editors

Dr. Francisco Miguel Sanchez-Margallo

Jesus Usón Minimally Invasive Surgery Centre (JUMISC), Caceres, Spain

Dr. Juan Alberto Sánchez-Margallo

Jesus Usón Minimally Invasive Surgery Centre (JUMISC), Caceres, Spain

Deadline for manuscript submissions

31 August 2025



Journal of Clinical Medicine

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.2
Indexed in PubMed



mdpi.com/si/226516

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

mdpi.com/journal/

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).