

Special Issue

General Anesthesia: Recent Developments and Emerging Trends

Message from the Guest Editor

Research and development are an integral part of anesthesiology practice. In recent years, areas such as drug development, memory and awareness, closed-loop systems, and brain monitoring have seen noticeable advances. While sugammadex has nearly eliminated the risk of inadequate reversal and residual paralysis, the newer benzodiazepine remimazolam might assist us in performing procedures such as colonoscopy without the need for propofol. Tegileridine and oliceridine are new classes of opioids that selectively bind and preferentially activate the G-protein signaling pathway rather than β -arrestin 2, thereby limiting the unwanted opioid side effects such as respiratory depression, hyperalgesia, PONV, and constipation. Computer-aided drug design and development is another exciting area that might herald the development of drugs that could target specific ligands or undergo organ-independent metabolism with no toxic metabolites. In this Special Issue, Journal of Clinical Medicine (JCM) would like to welcome researchers from around the world to submit research- and discussion-related manuscripts encompassing the above areas.

Guest Editor

Prof. Dr. Basavana Goudra

Honickman Center, Department of Anesthesiology, Sidney Kimmel Medical College, Jefferson Health, Philadelphia, PA 19107, USA

Deadline for manuscript submissions

closed (25 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/212364

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://jcm.mdpi.com/)



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 Andrès

Internal Medicine Department, University Hospital Strasbourg, 67081
Strasbourg, France

Prof. Dr. Kent Doi

Department of Emergency and Critical Care Medicine, The 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 18.5 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the second half of 2025).