Special Issue

The Application of Artificial Intelligence in Surgical Procedures

Message from the Guest Editors

We are pleased to announce a Special Issue of Surgeries dedicated to the transformative role of Artificial Intelligence (AI) in the field of surgery. The integration of AI technologies is rapidly reshaping surgical practice, from preoperative planning and intraoperative guidance to postoperative care and outcome prediction. This Special Issue aims to showcase cutting-edge research, innovative methodologies, and comprehensive reviews that highlight the current and future impact of Al across all surgical disciplines. We invite submissions that explore the development and application of Al-driven tools for surgical decision support, robotic-assisted procedures, image analysis, and real-time intraoperative navigation. Topics may also include surgical simulation and training, predictive analytics for patient outcomes, digital twins, telemedicine, and the ethical, legal, and social implications of AI in surgical settings. Contributions addressing challenges such as data privacy, algorithm transparency, and the integration of Al into clinical workflows are particularly welcome.

Guest Editors

Dr. Milan Toma

Department of Osteopathic Manipulative Medicine, College of Osteopathic Medicine, New York Institute of Technology, Old Westbury, NY 11568, USA

Dr. Michael Nizich

Entrepreneurship and Technology Innovation Center, College of Engineering and Computing Sciences, New York Institute of Technology, Old Westbury, NY 11568, USA

Deadline for manuscript submissions

31 March 2026



Surgeries

an Open Access Journal by MDPI

Impact Factor 1.1 CiteScore 1.3



mdpi.com/si/255593

Surgeries
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
surgeries@mdpi.com

mdpi.com/journal/ surgeries





Surgeries

an Open Access Journal by MDPI

Impact Factor 1.1
CiteScore 1.3



About the Journal

Message from the Editor-in-Chief

Surgery, as in the 'stitching of wounds with bone needles', is the oldest form of medicine after herbs, dating from 30,000 BC. While basic principles remain, technology has progressed enormously, especially in recent years. *Surgeries* provides a platform for all surgery-related developments, both clinical and scientific, while its open access format ensures global availability. A wide variety of subjects will be covered by our enthusiastic, international, and interdisciplinary Editorial Board and team. Besides ensuring rapid, high-quality review, editors will actively organize Special Issues on topics of high interest. Together with authors and reviewers, we aim to develop *Surgeries* into an indispensable, easily accessible source for surgery professionals and beyond.

Editor-in-Chief

Prof. Dr. Salomone Di Saverio ASUR Marche, AV5, Hospital of San Benedetto del Tronto, 63074 San Benedetto del Tronto, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), Scopus, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.9 days after submission; acceptance to publication is undertaken in 5.7 days (median values for papers published in this journal in the first half of 2025).

