

Special Issue

Artificial Intelligence in Acute Care Surgery and Trauma Health Care

Message from the Guest Editors

Artificial intelligence (AI) is rapidly transforming trauma and acute care surgery, building on decades of innovation in digital health and data-driven medicine. This Special Issue aims to explore the integration of AI into clinical diagnostics, surgical planning, and patient monitoring in high-acuity settings in the pre-hospital and pre-operative stages. We highlight cutting-edge research in relation to machine learning, predictive analytics, and real-time data applications that enhance surgical outcomes and operational efficiency. We invite original research, reviews, and perspectives that address technical advances, clinical applications, and future directions in AI-driven trauma and acute care surgery. Research areas may include (but are not limited to) the following:

- Artificial neural networks;
- Deep learning;
- Robotic surgery;
- Virtual reality and augmented reality;
- Artificial intelligence for surgical imaging.

We look forward to receiving your contributions.

Guest Editors

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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!

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