

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.

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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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