

Special Issue

New Challenges in Laparoscopic, Robotic and Endoscopic Surgery

Message from the Guest Editor

Laparoscopic, robotic, and endoscopic surgery have revolutionized surgery by enabling minimally invasive procedures. This Special Issue focuses on the latest advancements in these areas, exploring surgical procedures, techniques, and outcomes. It aims to provide insights into the evolving landscape of minimally invasive surgery and address the complexities faced by surgeons. Laparoscopic surgery presents challenges due to limited depth perception and instrument motion. Surgeons work with two-dimensional images and manipulate instruments from a distance, adding complexity to delicate procedures. Robotic surgery offers enhanced dexterity and precision but faces obstacles like high costs and specialized training, making it less accessible. Endoscopic surgery poses challenges related to visualization and access, often relying on indirect techniques that can increase complications. Overall, while laparoscopic, robotic, and endoscopic surgery have transformed the field of surgery, there are still ongoing challenges that need to be addressed to further enhance patient care and surgical outcomes.

Guest Editor

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