

Special Issue

Robot-Assisted Urologic Cancer Surgery: Current Challenges and Future Perspectives

Message from the Guest Editors

Robot-assisted surgery is poised to play an even more transformative role in the future of treating urological malignancies, driven by continual advancements in technology and surgical techniques. Moreover, the emerging platforms available in the market are revolutionizing the implementation of novel tools such as intraoperative artificial intelligence navigation. The integration of machine learning and data analytics could further personalize surgical approaches, tailoring treatments to individual patients based on real-time data and predictive models. Additionally, the development of smaller, more versatile robotic systems may expand access to these technologies, allowing more widespread adoption across different healthcare settings. With these innovations, robot-assisted surgery has the potential to not only improve clinical outcomes but also revolutionize the entire landscape of urological oncology by enabling less invasive, highly accurate treatments with minimal disruption to a patient's life. This Special Issue of *Medicina* seeks to collect original articles, reviews, or meta-analyses in this field of research.

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