

## Special Issue

# Laparoscopic Versus Robot-Assisted Surgery

### Message from the Guest Editors

Robotic-assisted surgery (RAS) represents a significant advancement in minimally invasive surgical techniques, integrating medical science, robotics, and engineering. RAS has revolutionized numerous surgical specialties, offering substantial advantages such as enhanced precision, three-dimensional visualization, and improved ergonomics. Research in RAS is pivotal to enhancing surgical outcomes, patient safety, and healthcare efficiency. Ongoing research primarily focuses on refining surgical techniques, robotic instruments, haptic feedback, integrating artificial intelligence, and developing more specialized robotic platforms. Consequently, the objective of this Special Issue is to present novel advancements in RAS and compare them to traditional laparoscopic techniques. Original research articles and reviews are welcome for this Special Issue. Research areas may encompass (but are not limited to) the following: the utilization of robotic platforms and devices for minimally invasive surgery and their comparative analysis with conventional laparoscopic surgery, including novel approaches and techniques for RAS, and innovative solutions in the field of RAS.

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### Guest Editors

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### Deadline for manuscript submissions

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## Surgeries

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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.

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### Editor-in-Chief

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