

Special Issue

Robot-Assisted Surgery: New Trends and Solutions

Message from the Guest Editors

Robot-assisted surgery represents a breakthrough comparable to the advent of laparoscopic surgery in the 1980s and the introduction of anesthesia. Despite its revolutionary potential, its spreading is still uneven across hospitals and countries, and is confined to the wealthiest countries and tertiary medical facilities due to its economic burden and the need for extensive surgical expertise and prolonged training. In the next few years, a broader dissemination of robotic surgery is expected, involving in this revolution both less affluent countries and spoke hospitals. This Special Issue aims to shed light on this revolution and how robotic surgery will spread around the country and the world. Additionally, it will explore how robotic surgery may extend surgical indications in minimally invasive surgery, which new devices will be developed, how they will be used in a robotic setting and how tutoring and teaching will change. In conclusion, we will attempt to analyze how the repercussions of this paradigm shift will impact the daily lives of healthcare workers and patients.

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