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# Medical Robots: Safety, Performance and Improvement

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#### **Message from the Guest Editors**

Dear Colleagues,

With rapid advancements in science and technology and the growing demand for medical services, medical robotics has emerged as a prominent research focus and developmental trend in the healthcare sector. They play a pivotal role in enhancing surgical precision, reducing the risks associated with invasive procedures, and improving overall surgical efficiency. However, the safety, performance, and enhancement of medical robots pose significant challenges that require immediate attention and ongoing research efforts.

The aim of this Special Issue is to delve into the latest research discoveries and emerging trends concerning safety, performance, and enhancements in medical robots. In particular, we aim to explore the novel opportunities and challenges presented by artificial intelligence algorithms, sensor technologies, and control strategies for medical robots, and so on, with the ultimate goal of advancing and facilitating the applications of medical robotics.

We look forward to receiving your contributions.



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### Message from the Editor-in-Chief

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