

Special Issue

Robotic Endoscopy: Clinical Impacts and Innovation

Message from the Guest Editor

Performing complex diagnostic and therapeutic procedures using conventional endoscopic instruments is challenging as they lack high degrees of freedom. Consequently, triangulation cannot be achieved, and tissue retraction and exposure during dissection become suboptimal. A robotic endoscope mitigates these problems as its end effectors allow a proceduralist to perform procedures as a two-armed surgeon, easily achieving adequate tissue retraction and optimal exposure of the operating field. Currently, a robotic endoscope can effectively perform endoscopic submucosal dissection and endoscopic suturing. In the future, the development of novel clinical applications will help drive the adoption and further innovation of robotic endoscopes, making them a mainstream platform technology. In this Special Issue, we open a discussion and welcome original articles, reviews, and reports looking into new technologies, emerging service modalities, and ideas on technology adoption and the overall current and future impact of the pandemic on robotic endoscopy practices.

Guest Editor

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