

Special Issue

Modern Imaging and Computer-Aided Diagnosis in Gastroenterology

Message from the Guest Editors

Novel endoscopic methods have significantly increased diagnostic accuracy, minimally invasive therapy and, ultimately, survival in many gastrointestinal (GI) diseases of the 21st century. High yield methods for direct and indirect visualization of the GI tract and connected organs offer enhanced macroscopic and microscopic information for the physician. Significant improvements in imaging sensors and the possibility to use several methods in a single procedure have greatly reduced hospitalization times, and effective targeted therapies can be used to essentially eliminate the need for invasive surgery. On the other hand, artificial intelligence has the potential to completely change the landscape of medical diagnosis, especially in gastroenterology. This Special Issue aims to gather a collection of diverse views on all novel imaging techniques in gastrointestinal endoscopy and connected imaging methods for rapid diagnosis and possible targeted treatment, with a focus on modern imaging and computer-aided diagnosis in gastroenterology.

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