

Special Issue

Advanced Endoscopic Imaging in Gastrointestinal Diseases

Message from the Guest Editor

This Special Issue focuses on the advanced imaging modalities in the field of gastrointestinal (GI) endoscopy. The remarkable development of GI endoscopy in recent years has been due to the development of image enhancement endoscopy (IEE). Currently, most popular advanced imaging technologies utilize a combination of magnifying endoscopy and IEE. Particularly, narrow-band light observation, such as narrow band imaging (NBI) or blue light imaging (BLI), has improved the diagnostic accuracy of GI tumors. Linked color imaging (LCI) is a newer IEE technology that not only the benefits detection but also aids in the assessment of mucosal inflammatory status. Other novel imaging modalities, such as texture and color enhancement imaging (TXI) and red dichromatic imaging (RDI), have been developed and used in clinical practice. In addition, endocytoscopy, which is a contact-type optical endoscope that allows in vivo cellular observation, has been developed. Meanwhile, artificial intelligence (AI) has provided real-time diagnostics with advanced endoscopic imaging.

Guest Editor

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