

Special Issue

Gastrointestinal Disorders: Diagnosis, Treatments and Clinical Features

Message from the Guest Editor

Medical practice is moving toward precision medicine. Advances in our understanding of the pathophysiology of various gastrointestinal disorders have enabled the identification of implications in clinical features, the development of precise diagnostic method or targeted therapy, and the accurate prediction of prognosis. Gut microbiome has become a biomarker or a treatment target and is also being used as a therapeutic agent in the form of probiotics or fecal microbial transplantation. Artificial Intelligence is rapidly being applied to our medical practice in the context of identification, classification, and prediction of the important features of gastrointestinal disorders. Cutting-edge molecular biological techniques have enabled the development of 'omics-based biomarkers', and calculating genetic risk scores or performing a Mendelian randomization study or genome-wide interaction study have offered control for reverse causation and confounding factors. All of these efforts have improved the clinician's approach to diagnosis, treatment, and the prediction of prognosis for various gastrointestinal disorders.

Guest Editor

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