Special Issue

Diagnosis and Treatment of Acute Pancreatitis

Message from the Guest Editors

This Special Issue aims to consolidate current knowledge and recent advancements in the diagnosis and treatment of acute pancreatitis. It will provide a platform for discussing innovative research, clinical practices and future directions in managing this disease and its complications. *Molecular Mechanisms and Biomarkers:* Analysis of the molecular pathways involved in the onset and progression of acute pancreatitis, and identification of potential novel biomarkers for prognosis. *Imaging Techniques:* Advances in imaging modalities such as endoscopic ultrasound (EUS), magnetic resonance imaging (MRI) and computed tomography (CT) that improve diagnosis and treatment. *Therapeutic Interventions:* Development and evaluation of endoscopic or minimally invasive procedures to improve patient treatment when intervention is required. *Gut Microbiota:* Investigating the role of gut microbiota in acute pancreatitis and potential therapeutic implications of microbiome modulation. *Artificial Intelligence and Machine Learning:* Utilization of AI and machine learning algorithms to predict disease severity, guide clinical decision-making and personalize treatment approaches.

Guest Editors

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Message from the Editor-in-Chief

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