



diagnostics



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Diagnostic Procedures for Inflammatory Bowel Disease: Laboratory, Endoscopy, Pathology, Imaging and Beyond

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Message from the Guest Editor

Dear Colleagues,

Inflammatory bowel diseases (Crohn's disease, ulcerative colitis, and unclassified colitis) mainly affect young adults, with a prevalence of up to 1%. Diagnostic procedures are required to establish the correct diagnosis in the first place, to handle further flares, and to detect complications such as colitis-associated cancer or extraintestinal manifestations. Both clinical chemistry including iron as well as vitamins and particularly biomarkers have to be tested on a regular basis. Imaging, e.g., intestinal ultrasound and magnetic resonance enterography, as well as endoscopy, plays a pivotal role in establishing the correct diagnosis and to detect complications (e.g., scarring, stenosis, fistulas, or cancer). Pharmacogenomics, molecular imaging (e.g., endocytoscopy), and dysplasia detection using artificial-intelligence-supported colonoscopy are currently hot research topics. Clinical decision support systems on IBD have started to emerge recently. Therefore, the current Special Issue covers both modern high-end diagnostics as well as future directions in IBD-related diagnostics.



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Special Issue



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Message from the Editor-in-Chief

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