

## Special Issue

# Advances in Leveraging Big Data for Improving Patient Outcomes in Gastrointestinal and Hepatopancreatobiliary Diseases

### Message from the Guest Editor

The era of big data in healthcare started with the use of electronic health records, and the advances in bioinformatics and genomics have led to a tremendous increase in health information. This information has been predominantly analyzed using complex research methodology, but with the refinement of machine learning and generative artificial intelligence, large datasets can rapidly be interpreted and used for improving health outcomes in various diseases. Among the several topics of interest, we would like to focus on the opportunities and challenges of big data in the diagnosis and treatment of various gastrointestinal and hepatopancreatobiliary diseases such as inflammatory bowel diseases, motility and functional disorders and early detection of gastrointestinal and liver cancers. We would also like to review broad concerns and ethical practices with using these datasets for research. The aim of this Special Issue is to provide *JCM* readers an overview of the recent and forthcoming advances made using big data and artificial intelligence in gastroenterology and hepatopancreatobiliaryology.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 December 2025)



## Journal of Clinical Medicine

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Impact Factor 2.9  
CiteScore 5.2  
Indexed in PubMed



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