PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 80110

Title: Advancing the precision management of inflammatory bowel disease in the era of omics approaches and new technology

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02536349

Position: Editorial Board

Academic degree: MD

Professional title: Doctor, Professor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: China

Manuscript submission date: 2022-09-23

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-11-04 16:52

Reviewer performed review: 2022-11-05 12:01

Review time: 19 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Judgment by peer reviewers	Does this manuscript meet the code of ethics standards? [J11] Yes [J10] No Does this manuscript have important novelty? [J21] Yes [J20] No Does this manuscript have important creativity or innovation?

	[J31] Yes [J30] No Does this manuscript use reliable research methods? [J41] Yes [J40] No Are the manuscript-accompanying data and figures authentic? [J51] Yes [J50] No Does this manuscript make scientifically significant conclusions? [J61] Yes [J60] No
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Thank you for this review which updates the current knowledge.

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Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This is the review regarding the management of inflammatory bowel disease (IBD) widely covering the topics for biomarkers, management precision by genetics, proteomics, microbiomics, and application of AI, and disease management during COVID-19 pandemic. Although the text of paper is interesting, no Figure or Table that help readers understand of the contents is provided, regrettably. Attractive Figures and Tables are quite important for the citation of review articles. Please provide some Figures and/or Tables. I wonder the needs of description regarding the management during the COVID-19 pandemic. As COVID-19 pandemic is about to ending and the consideration for COVID-19 pandemic is different among countries, description regarding COVID-19 pandemic may be better to avoid.

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [Y] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
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	[ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority)
	[ ] Minor revision [Y] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The quantum of information provided in the manuscript entitled "Toward the precision management of inflammatory bowel disease in the era of omics and new technology" is very vast and the authors have tried to focus on nearly every aspect of IBD including the pathogenesis, prognosis, clinical manifestation, response to treatment and management. But in this quest to cover every aspect, the focus of the article has been lost and the write-up fails to provide a clear and concise message for the readers. It remains unclear why the sections on application of Artificial intelligence/machine learning and management of IBD during Covid-19 have been included in this manuscript. Ideally, they may be published separately to maintain the coherence of the present article and relevance to the title. Furthermore, the manuscript needs to be organized better. For example, a category-wise list of biomarkers along with their merits and demerits may be

provided in a Tabular form rather than as a text. All –omics should be discussed separately and not clubbed together. There are several grammatical errors in the manuscript, especially related to the 'tense' which needs correction.