



PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 75507

Title: Update on gut microbiota in gastrointestinal diseases

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 01555264

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor, Chief Doctor, Senior Scientist, Technical Editor

Reviewer's Country/Territory: Iran

Author's Country/Territory: Japan

Manuscript submission date: 2022-02-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-13 19:19

Reviewer performed review: 2022-02-13 19:22

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Written in general mode and has no novelty.



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Reviewer's code: 06258920

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Thailand

Author's Country/Territory: Japan

Manuscript submission date: 2022-02-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-09 09:06

Reviewer performed review: 2022-02-16 12:17

Review time: 7 Days and 3 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
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SPECIFIC COMMENTS TO AUTHORS

The authors focused on the association of the gut microbiota with human gastrointestinal diseases, including CDI, IBD, and irritable bowel syndrome. Additionally, they discussed therapeutic options for altering the gut microbiota, including probiotics and FMT. All of these therapeutic options represent novel approaches to the prevention and treatment of a wide variety of gastrointestinal diseases. The authors discussed the characteristics of each disease, such as its definition and prevalence. They then demonstrated how to treat each disease by altering the gut microbiota with probiotics and FMT. The authors demonstrated in an easy-to-read manner and simplified the reader's understanding of these diseases and treatments. The authors provided a good summary of the future direction of research on gut microbiota and therapeutic targets. Gut microbiota and human health are extremely fascinating topics in today's medical world. Moreover, probiotics and FMT are promising therapeutic targets for a variety of gastrointestinal disorders. There are a few minor revisions and limitations should be concerned

1. In the introduction, the author should state how many therapeutic interventions involving gut microbiota modulation are currently available and provide a concise definition of their intervention before proceeding to the details of each treatment.
2. Numerous papers on FMT in *Clostridioides difficile* have been published. The authors should demonstrate the subgroup analysis of some meta-analysis. For example, the type of feces used (frozen or fresh), the administration route (nasojunal probe, colonoscopy, gastroscopy, FMT capsule), and the donor characteristics etc. should be discussed in this review.
3. Although FMT is not approved as a treatment for IBS, numerous studies have shown that probiotics improve IBS symptoms. The authors should expand on their discussion



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of probiotics in IBS, including specific bacteria that have been shown to improve IBS symptoms.



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Peer-review model: Single blind

Reviewer's code: 05444591

Position: Peer Reviewer

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Croatia

Author's Country/Territory: Japan

Manuscript submission date: 2022-02-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-02-09 07:38

Reviewer performed review: 2022-02-24 03:21

Review time: 14 Days and 19 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
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Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

In the manuscript "Update on gut microbiota in gastrointestinal diseases" the authors state what is new about the role of microbiota in gastrointestinal diseases. The paper lacks tabular or schematic representations of the results. As it is written about the microbiota in IBS, it should be emphasized in which type of IBS and the same applies to probiotic therapy and fecal transplantation. The authors should refine this part of the paper and emphasize what is new in relation to previous research.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Clinical Cases*

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Title: Update on gut microbiota in gastrointestinal diseases

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Peer-review model: Single blind

Reviewer's code: 06258920

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Thailand

Author's Country/Territory: Japan

Manuscript submission date: 2022-02-08

Reviewer chosen by: Han Zhang

Reviewer accepted review: 2022-05-01 01:44

Reviewer performed review: 2022-05-01 03:31

Review time: 1 Hour

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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SPECIFIC COMMENTS TO AUTHORS

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