



PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 78448

Title: Interaction between gut microbiota and COVID-19 and its vaccines

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05867627

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Portugal

Author's Country/Territory: China

Manuscript submission date: 2022-06-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-04 10:09

Reviewer performed review: 2022-07-05 14:19

Review time: 1 Day and 4 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input checked="" 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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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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Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Studying interactions between gut microbiota and COVID-19, and with vaccines as well, it's an excellent topic to address in current times. After careful reading of this manuscript some small repairs stood out. First, the last sentence of the first paragraph in the introduction should have the reference of the article where this information was sought. This is not yet well known or consensual, so the authors should have indicated where this topic is clarified, given that it is still not consensual whether bacteria, their metabolites or both circulate in the blood stream or not. Then, throughout the manuscript the name of bacteria does not appear written in italics, which is a serious flaw and must be completely rectified. With that, I think the article is a little superficial. Despite addressing an interesting topic, it could have deepened a few more questions between microbiota and COVID-19.



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Reviewer's code: 05072490

Position: Editorial Board

Academic degree: BSc

Professional title: Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2022-06-30

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-07-07 05:57

Reviewer performed review: 2022-07-08 10:51

Review time: 1 Day and 4 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
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Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript of John SM is a mini review focusing on the interplay between gut microbiota and different aspects of COVID-19 infection, including the vaccine effects.

The paper is interesting but there are some critical points 1) The abstract is short and not well organized, please re-write it 2) The section Introduction - the Gut Microbiota have to change in Introduction removing in the title Gut Microbiota. In addition, in this section the author has to add also a paragraph regarding the Covid-19 infection. 3) In introduction section, the author reported this sentence "These organisms could be intraluminal or attached to the linings of the gut, some would even occupy an intracellular or subepithelial intercellular residence while still others might enter the tissue fluid, the lymphatics and even the blood stream." please add a reference 4) Some studies reported the role of fecal and serum SCFA on discriminating the different gastrointestinal disorders (baldi et al doi: 10.3390/nu13030742 and Niccolai et al doi: 10.3748/wjg.v25.i36.5543) please discuss this point reporting the suggested references



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer's code: 05072490

Position: Editorial Board

Academic degree: BSc

Professional title: Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2022-06-30

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2022-09-08 06:10

Reviewer performed review: 2022-09-08 06:14

Review time: 1 Hour

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 checked="" type="checkbox"/> Grade A: Priority publishing <input 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

The authors adequately replied the different my suggestions and comments