

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 70563

Title: Intestinal inflammation and the microbiota: Beyond diversity

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05469117

Position: Editorial Board

Academic degree: PhD

Professional title: Adjunct Professor, Chief Physician, Deputy Director

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2021-08-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-07 18:02

Reviewer performed review: 2021-08-08 04:34

Review time: 10 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 Grade E: Do not publish
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
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

SPECIFIC COMMENTS TO AUTHORS

Medical research often involves qualitative and quantitative issues. Just as He et al performed an investigation on the microbiota composition on the fecal and mucosa samples from patients with ulcerative colitis. This manuscript puts forward the importance of bacterial virulence research and quantification on the basis of He's research, and makes meaningful explanations. There are two deficiencies. First, there is no stratification of the elements involved in the proposal. Just like the "driver- passenger" model cited by the author, who maybe the possible passengers and drivers? Second, there are no specific methodological suggestions on how to carry out such research.

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Peer-review model: Single blind

Reviewer's code: 05907768

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Brazil

Manuscript submission date: 2021-08-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-09 07:10

Reviewer performed review: 2021-08-09 08:06

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
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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statementsConflicts-of-Interest: [] Yes [**Y**] No**SPECIFIC COMMENTS TO AUTHORS**

As the authors mentioned, I also think it is important to analyze the pathobiont the role of several resident bacteria for ulcerative colitis. But intestinal flora is too complex to investigate the relation between UC and all type of bacteria. Does the author suggest that we need to focus on *Clostridium perfringens*, *Bacteroides fragili*, *Escherichia coli* in relation to UC? Please mention the reason why we need to investigate the relation between UC and these bacteria. *E.coli* and *Clostridium* is already known to relate to UC. Few study reported that an increase in *Escherichia-Shigella* in patients with UC in comparison to patients without UC. So I think He's report is worth it.

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Peer-review model: Single blind

Reviewer's code: 05233850

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Academic Fellow, Assistant Professor, Research Fellow, Surgeon

Reviewer's Country/Territory: Italy

Author's Country/Territory: Brazil

Manuscript submission date: 2021-08-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-09 08:37

Reviewer performed review: 2021-08-09 08:43

Review time: 1 Hour

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
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
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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

Dear Author, your letter is very interesting and well written and explained.
Congratulations

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 04214085

Position: Peer Reviewer

Academic degree: PhD

Professional title: Instructor, Postdoctoral Fellow, Research Assistant Professor,
Research Associate

Reviewer's Country/Territory: United States

Author's Country/Territory: Brazil

Manuscript submission date: 2021-08-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-06 23:16

Reviewer performed review: 2021-08-11 16:08

Review time: 4 Days and 16 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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Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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Peer-reviewer statements	Peer-Review: [<input type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

This “letter to the editor” supplemented the ongoing discussion on intestinal inflammation and the microbiota. Authors mainly make comments about investigations should focus on identify alterations not only on the diversity of the microbiota but the presence of the toxin-producing bacteria. The comments in this letter are objective and serious. But for a letter, there are too many references, please simplify them.

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Peer-review model: Single blind

Reviewer's code: 04010086

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2021-08-06

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-08-11 01:42

Reviewer performed review: 2021-08-19 02:14

Review time: 8 Days

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
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
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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

statementsConflicts-of-Interest: [] Yes [**Y**] No**SPECIFIC COMMENTS TO AUTHORS**

This letter to editors entitled “Intestinal inflammation and the microbiota: beyond diversity” mainly focuses on the concept that the presence of the toxin-producing bacteria might play a more important role in the development of inflammatory disorders than alterations in the microbiota composition. The microbiota is an ecosystem in constant regulation. The researches about the intestinal microbiome of patients might be affected by many factors. Further investigations are needed, not only the composition, or the production of toxins by commensal bacteria, but also more deep mechanisms.