

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 84507

Title: Epidemiology of small intestinal bacterial overgrowth

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06297467

Position: Peer Reviewer

Academic degree: N/A

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Russia

Manuscript submission date: 2023-03-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-16 23:18

Reviewer performed review: 2023-03-21 10:09

Review time: 4 Days and 10 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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

SPECIFIC COMMENTS TO AUTHORS

It is not an interesting manuscript. Authors cannot succeed to present their idea in a clear way adding information to the existing literature.

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05665395

Position: Peer Reviewer

Academic degree: N/A

Professional title: Director, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Russia

Manuscript submission date: 2023-03-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-16 22:50

Reviewer performed review: 2023-03-21 10:20

Review time: 4 Days and 11 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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

SPECIFIC COMMENTS TO AUTHORS

What are the new concepts that this study proposes? What are the future directions of the topic described in this manuscript?

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03538879

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Chief Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Russia

Manuscript submission date: 2023-03-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-20 01:18

Reviewer performed review: 2023-03-22 02:14

Review time: 2 Days

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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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

SPECIFIC COMMENTS TO AUTHORS

Gut microbiota plays an important role in maintaining health. Once organic or functional diseases occur, intestinal bacteria overgrow and the increase the number or variety of bacteria will induce abdominal pain, bloating, diarrhea, and malnutrition symptoms. The diagnosis of SIBO mostly depends on the clinical findings of doctors, who decide whether to conduct further tests, such as intestinal fluid culture and imaging examinations to verify the diagnosis. Such a diagnosis pattern potentiates many problems, however, this review did not address such issue. Major concern: 1. The author did not address the heterogeneity and susceptibility of SIBO. In some cases, although there is SIBO, it may not have significant harmful effects. There are no symptoms, or the symptoms are atypical. Patients do not seek medical attention in a timely manner or doctors do not detect it in a timely manner, resulting in the statistical prevalence of SIBO may be lower than the actual level. Some other studies report that the incidence of SIBO in the healthy population ranges from 2.5% to 22%; 2. SIBO symptoms often overlap with other diseases and may be incorrectly diagnosed as IBS. The prevalence of SIBO among patients who meet the diagnostic criteria for IBS is 30% to

85%; 3. Using hydrogen breath test alone cannot detect methanogenic SIBO, leading to missed diagnosis and reducing the detection rate of SIBO; 4. Age is an important risk factor for SIBO. The incidence rate of SIBO in different age groups is different. The prevalence of SIBO in the elderly is generally higher than that in other age groups.

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Peer-review model: Single blind

Reviewer's code: 02439547

Position: Editorial Board

Academic degree: PhD

Professional title: Doctor, Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Russia

Manuscript submission date: 2023-03-16

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-03-19 13:37

Reviewer performed review: 2023-03-27 00:51

Review time: 7 Days and 11 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
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" 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

In this review, the authors want to discuss the epidemiology of SIBO in functional dyspepsia, irritable bowel syndrome, functional abdominal bloating, functional constipation and other diseases. The content of this review is interesting and comprehensive. However, this review also has a few of shortcomings. 1. Abstract is inconsistent with the title and text. The abstract wants to describe the association of SIBO with various diseases, but the title and text focus on epidemiology. In addition, the abstract logic is not clear and language is not refined enough. 2. The article provides some descriptions of the connection between SIBO and other diseases, but these are somewhat superficial, the intensive relationship is recommended, including the putative pathophysiological mechanisms linking SIBO and different diseases, as well as the description of how they interact. 3. The authors lack insight into the problems with the current research on SIBO and different diseases, and it is suggested to add their own insights. 4. The format of the references is inconsistent; it is recommended that they should be modified. Therefore, a major revision is suggested.