

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 79355

Title: Microbiota in the stomach and application of probiotics to gastroduodenal diseases

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 00052707

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Japan

Manuscript submission date: 2022-08-22

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-08-23 06:12

Reviewer performed review: 2022-09-03 15:16

Review time: 11 Days and 9 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 Grade E: Do not publish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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**Peer-reviewer
statements**

Peer-Review: [☒] Anonymous [☐] Onymous

Conflicts-of-Interest: [☐] Yes [☒] No

SPECIFIC COMMENTS TO AUTHORS

This article reviews the application of gastric microbiota and probiotics in the treatment of gastroduodenal diseases in four chapters: 1. Microbiota in the stomach; 2. Probiotics for the stomach and duodenum; 3. Helicobacter pylori infection; 4. Functional dyspepsia. On the basis of previous studies, this paper proposes a hypothesis that the gastrointestinal tract is a common microbial ecosystem, in which the gastric microbiota acts as a relay base between the oral and intestinal microbiota, and compares the differences between the microbiota in the stomach and those in the oral and intestinal microbiota. Most previous studies believe that probiotics have beneficial effects on improving intestinal microbial ecology and are only applicable to the gut. However, this article reviews the important role of probiotics in the stomach. Overall, the idea of this article is great. However, some issues still need to be improved: The article is not well organized: the article lacks an introductory and concluding paragraph and each chapter should have a summary.

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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: Japan

Manuscript submission date: 2022-08-22

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-10-06 03:35

Reviewer performed review: 2022-10-06 04:47

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 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

**Peer-reviewer
statements**

Peer-Review: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

This is an interesting review. With the application of a new generation of high-throughput sequencing, we have the opportunity to know the distribution of microorganisms in the stomach, which is a strong acidic environment. The understanding of gastric microorganisms may further optimize the oral - gastric - intestinal common microbial system, and contribute to deepen the understanding of the interaction of gastrointestinal diseases. The work might be also support to improve the diagnosis and treatment of gastrointestinal diseases. Major concerns: This manuscript needs to be supplemented with abstract and views of perspectives, which is necessary for a complete review. In addition, the changes of microorganisms in gastroenteric associated diseases, such as FD combined with IBS, should be included.

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Manuscript NO: 79355

Title: Microbiota in the stomach and application of probiotics to gastroduodenal diseases

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02536339

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Japan

Manuscript submission date: 2022-08-22

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-10-09 16:45

Reviewer performed review: 2022-10-16 18:21

Review time: 7 Days and 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 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



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<https://www.wjgnet.com>

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

The manuscript can be accepted with minor revision. There are some long sentences in the manuscript which will make it difficult for the readers. Author should write a simple sentence wherever possible. Few grammar corrections are made in the manuscript to help the author. Please find it as an attachment.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Gastroenterology*

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Title: Microbiota in the stomach and application of probiotics to gastroduodenal diseases

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Reviewer's code: 02536339

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Japan

Manuscript submission date: 2022-08-22

Reviewer chosen by: Han Zhang

Reviewer accepted review: 2022-11-01 07:15

Reviewer performed review: 2022-11-04 17:07

Review time: 3 Days and 9 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
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

Accept the paper