

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 76868

Title: Promising role of D-amino acids on Irritable bowel syndrome

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: Japan

Manuscript submission date: 2022-04-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-04 05:25

Reviewer performed review: 2022-04-04 08:15

Review time: 2 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 Grade E: Do not publish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

IBS is emerging as a new psychosomatic disorder of the intestinal system, and bring much trouble to the patients. IBS is usually thought to be a functional disease that closely associate with emotional change, however, recent studies suggested that low-grade inflammation and intestinal immune response are involved in the development of IBS. Therefore, countering intestinal inflammation present to be a new strategy for IBS treatment, in which modulation of gut microbiota and related metabolites is fundamental. This letter provides the evidence of D-amino acids in improving intestinal inflammation, which is an interesting topic. However, further evidence is needed, such as whether the alteration in gut microbiota and amino acid metabolites in IBS patients support this finding, or if IBS-related inflammation will be more severe when endogenous intestinal D-amino acids are specifically reduced, and which different amino acid types plays a dominant role.

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Peer-review model: Single blind

Reviewer's code: 06154447

Position: Peer Reviewer

Academic degree: MD

Professional title: Research Assistant

Reviewer's Country/Territory: Russia

Author's Country/Territory: Japan

Manuscript submission date: 2022-04-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-05 08:18

Reviewer performed review: 2022-04-12 19:01

Review time: 7 Days and 10 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 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
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statements

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

SPECIFIC COMMENTS TO AUTHORS

Overall, it is a good article with an important message for the readership of the journal. The letter provides new insights into the original article. Minor points to consider: • I advise the authors to focus on the subject of the manuscript (page 3, D-serine and renal diseases). • The authors should provide clear conclusion for the manuscript to summarize the data. • The manuscript needs editing for language to improve readability.

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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: 2022-04-04

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-04-04 07:23

Reviewer performed review: 2022-04-20 03:10

Review time: 15 Days and 19 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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Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript hypothesis is very interesting and certainly the role of D-amino acids is important in IBS and is certainly worth researching. What I miss in my work is the connection between the metabolism of D-amino acids and the microbiota or microorganisms, at least at the order level. And the Latin names of bacteria should be written in italic.