

PEER-REVIEW REPORT

Name of journal: *World Journal of Diabetes*

Manuscript NO: 65356

Title: Efficacy of probiotics on the modulation of gut microbiota in the treatment of diabetic nephropathy

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: Japan

Manuscript submission date: 2021-03-05

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-03-25 15:27

Reviewer performed review: 2021-04-07 01:44

Review time: 12 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 Grade E: Do not publish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 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 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

In this review, the author reviewed the roles of the gut microbiota in diabetic nephropathy. The manuscript is likely to be helpful to a wide readership, but several important points are required to be addressed. The specific comments are listed below:

1. The title is “Improved Gut Microbiota may protect against Diabetic Nephropathy”, the author need summarize how to improve gut microbiota, which kind of bacteria linking gut to kidney disease. 2. This mini-review summarized the potential benefit roles of the gut microbiota in the protection of diabetic nephropathy. It is better to push part 3 into part 4, make it more compact and relevant to the theme. 3. The presentation in figures 2 and 3 need improve to show the detail mechanism or information. 4. There are some typos and grammar mistakes in the manuscript, please further check by English editing.

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Peer-review model: Single blind

Reviewer's code: 02860956

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Ukraine

Author's Country/Territory: Japan

Manuscript submission date: 2021-03-05

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-04-04 12:11

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

Review time: 3 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
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 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 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

In mini-review Nagase et al., authors focused on potential mechanism such as short chain fatty acids, reactive oxygen species, and D-amino acids biosynthesis which may be involved in the pathogenesis of diabetic nephropathy. From the other hand, there is lack of data in the manuscript which constituted to gut microbiota changes under condition of diabetic nephropathy or CKD. Also to improve the manuscript quality I suggest to add a chapter with subsequent summarize in table a data regarding intervention with gut microbiota (pro- or prebiotic etc) on CKD. In “perspective” section will better to discuss use of fecal microbiota transplantation for CKD related outcomes instead stem cell replacement therapy.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02860956

Position: Editorial Board

Academic degree: PhD

Professional title: Associate Professor

Reviewer's Country/Territory: Ukraine

Author's Country/Territory: Japan

Manuscript submission date: 2021-03-05

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2021-07-16 09:06

Reviewer performed review: 2021-07-16 11:43

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 type="checkbox"/> Accept (General priority) <input checked="" 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

unfortunately in revised version of current manuscript the point by point file with answers for reviewers is absent. Therefore it difficult to assess changes has been made. I recommend upload according to author guidelines file with point by point answers for reviewers.