

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Diabetes*

**Manuscript NO:** 77852

**Title:** Different nutrient compositions in diet and taking hypoglycemic drugs can modulate gut microbial flora

**Provenance and peer review:** Unsolicited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 04726030

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Academic Fellow, Academic Research, Lecturer, Research Fellow

**Reviewer's Country/Territory:** Nigeria

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-05-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-05-31 04:14

**Reviewer performed review:** 2022-05-31 04:34

**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 Grade E: Do not publish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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>Peer-reviewer statements</b>	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

This letter to the editor examined recent study by Tang et al. which focused on the important role that I intermittent hypoxia (IH) plays an important role in metabolic diseases, such as obesity and obstructive sleep apnea (OSA)-hypopnea syndrome (OSAHS). The study has just been published in World Journal of Gastroenterology. The authors' letter to the editor is impressive and informative in respect of the research they referred to. I just have a minor issue with their omission of tenses in the manuscript and suggest they thoroughly proofread their manuscript to enhance its language quality. Finally, additional clarification regarding the importance of your letter and the methodological weakness of the study being referred to and what could have been done to strengthen it, might help shed more light on why why letter is important. Please see my attachment.

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**Provenance and peer review:** Unsolicited 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:** China

**Manuscript submission date:** 2022-05-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-06-23 01:43

**Reviewer performed review:** 2022-06-23 03:09

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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

<b>Re-review</b>	[ <input checked="" type="checkbox"/> ] Yes [ <input type="checkbox"/> ] No
<b>Peer-reviewer statements</b>	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**

This “letter to the editor” supplemented the ongoing discussion on different dietary patterns and the use of hypoglycemic agents impacts on changes in gut microbiota in diabetic patients and mice. Authors mainly make comments about the recent basic study and other studies. One recent review paper published in World Journal of Diabetes summarized the relationship between diabetes and gut microbiota. It may supplement the discuss clinic and basic studies on this topic (PMID: 34754371). The comments in this letter are objective and serious.

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**Peer-review model:** Single blind

**Reviewer's code:** 05429012

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Research Scientist

**Reviewer's Country/Territory:** Jordan

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-05-24

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-06-22 15:32

**Reviewer performed review:** 2022-07-01 12:53

**Review time:** 8 Days and 21 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 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



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

Dear authors, I agree with you that you have addressed a very important topic. In fact gut microbial, nutrients, and diabetes are all important and big issues. The following points need to be clarified: 1- The manuscript is written in general considerations, more specific considerations have to be taken into account including the impact of nutrients on gut microbial, the impact of diabetic treatment in gut microbial, does metformin play a positive or negative role in gut microbial? 2. Nutrient structure and gut microbial: what nutrient structure as pointed by authors? and how this impacts gut microbial? what nutrition considerations for persons with diabetes that will impact persons. what are the recommendations for persons with diabetes concerning nutrition to be considered? 3. what about type 1 diabetes? How do gut microbial affects its pathogenesis? 4. The link between gut microbial, diabetes, nutrition and autoimmunity is important, but not addressed, so please explore this in some details

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Reviewer's code:** 05429012

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor, Research Scientist

**Reviewer's Country/Territory:** Jordan

**Author's Country/Territory:** China

**Manuscript submission date:** 2022-05-24

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2022-07-29 08:55

**Reviewer performed review:** 2022-07-29 09:18

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer</b>	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**

the authors have answered my questions