

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65663

**Title:** Intestinal microbiota participates in nonalcoholic fatty liver disease progression by affecting intestinal homeostasis

**Reviewer's code:** 02742751

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Associate Professor

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

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

**Manuscript submission date:** 2021-03-12

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2021-03-23 15:38

**Reviewer performed review:** 2021-03-23 15:58

**Review time:** 1 Hour

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<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



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#### **SPECIFIC COMMENTS TO AUTHORS**

Please include articles regarding the role of probiotics and synbiotics in NAFLD.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65663

**Title:** Intestinal microbiota participates in nonalcoholic fatty liver disease progression by affecting intestinal homeostasis

**Reviewer's code:** 03865344

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-03-12

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-17 23:53

**Reviewer performed review:** 2021-03-29 09:06

**Review time:** 11 Days and 9 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<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**

The manuscript fully discusses the influence of the intestinal microenvironment on NAFLD. It is helpful for understanding its pathogenesis. Here are some shortcomings.

1. Adding a line number may be more friendly to the review. 2. Please unify the description of gut microbiota in the manuscript. 3. NAFLD is not just hepatic steatosis, and its disease spectrum remains to be explained. 4. "A clinical study found that fecal acetic acid and propionic acid were significantly increased in patients with NAFLD. The propionic acid/acetic acid concentration was positively correlated with peripheral blood T helper 17 cells/resting regulatory T cells ratio, while negatively correlated with peripheral blood resting regulatory T cells, suggesting that short-chain fatty acids may be involved in the progression of NAFLD by inducing proinflammatory T cells[60]." Please explain the relationship between T cells and NAFLD.