



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53881

Title: Therapeutic advances in non-alcoholic fatty liver disease with a microbiota-centered view

Reviewer's code: 02702057

Position: Editorial Board

Academic degree: BSc, MSc, PhD

Professional title: Associate Professor

Reviewer's country: Italy

Author's country: China

Manuscript submission date: 2019-12-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2019-12-31 12:42

Reviewer performed review: 2019-12-31 18:44

Review time: 6 Hours

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
|--|--|--|---|
| <input type="checkbox"/> Grade A: Excellent | <input checked="" type="checkbox"/> Grade A: Priority publishing | <input type="checkbox"/> Accept | Peer-Review: |
| <input checked="" type="checkbox"/> Grade B: Very good | <input type="checkbox"/> Grade B: Minor language polishing | (High priority) | <input checked="" type="checkbox"/> Anonymous |
| <input type="checkbox"/> Grade C: Good | | <input type="checkbox"/> Accept | <input type="checkbox"/> Onymous |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade C: A great deal of language polishing | (General priority) | Peer-reviewer's expertise on the topic of the manuscript: |
| <input type="checkbox"/> Grade E: Do not publish | <input type="checkbox"/> Grade D: Rejection | <input checked="" type="checkbox"/> Minor revision | <input checked="" type="checkbox"/> Advanced |
| | | <input type="checkbox"/> Major revision | <input type="checkbox"/> General |
| | | <input type="checkbox"/> Rejection | <input type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |



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SPECIFIC COMMENTS TO AUTHORS

Manuscript titled "Therapeutic Advances in Non-alcoholic Fatty Liver Disease with a Microbiota-centered View" deals an important issue of NAFLD. In this review, the authors summarized the most recent advances in gut microbiota-targeted therapies against NAFLD, including antibiotics, probiotics, prebiotics, synbiotics, fecal microbiota transplantation, and the gut microbiota-derived components and metabolites. The work is great and complete. Moreover, there are some minor concerns that need to be addressed before recommending publication. Please stated better the aim of your study in the abstract and in the introduction section. Please specify the kind of review made (narrative, systematic, meta analyses and so on). The first paragraph of the introduction section is without adequate references, please provide to quote adequate reference as follow or other similar: Early effects of high-fat diet, extra-virgin olive oil and vitamin D in a sedentary rat model of non-alcoholic fatty liver disease. *Histol Histopathol.* 2018 Nov;33(11):1201-1213. doi: 10.14670/HH-18-008. Echocardiography and NAFLD (non-alcoholic fatty liver disease). *Int J Cardiol.* 2016 Oct 15;221:275-9. doi: 10.1016/j.ijcard.2016.06.180. 4Ps medicine of the fatty liver: the research model of predictive, preventive, personalized and participatory medicine-recommendations for facing obesity, fatty liver and fibrosis epidemics. *EPMA J.* 2014 Dec 7;5(1):21. doi: 10.1186/1878-5085-5-21. eCollection 2014. Review. Please improve the introduction section, it is too poor. Please add a sentence regarding Fatty liver disease, nutrition and lifestyle: Please quote adequate reference as follow or other similar: Fatty liver disease and lifestyle in youngsters: diet, food intake frequency, exercise, sleep shortage and fashion. *Liver Int.* 2016 Mar;36(3):427-33. Nonalcoholic fatty liver disease (NAFLD) prevention: role of Mediterranean diet and physical activity. *Hepatobiliary Surg Nutr.* 2019 Apr;8(2):167-169. doi: 10.21037/hbsn.2018.12.05. Comments to authors:



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Regarding the additional references suggested by me, please feel free to add only those that you deem appropriate in the context of your work. It is by no means mandatory to include these references for the revision to be reconsidered for publication. This is only a suggestion to improve the paper.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
- Duplicate publication
- Plagiarism
- No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53881

Title: Therapeutic advances in non-alcoholic fatty liver disease with a microbiota-centered view

Reviewer's code: 01806467

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's country: South Korea

Author's country: China

Manuscript submission date: 2019-12-31

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-02 09:29

Reviewer performed review: 2020-01-06 07:17

Review time: 3 Days and 21 Hours

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
|--|---|--|---|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | <input type="checkbox"/> Accept | Peer-Review: |
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| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade C: A great deal of | (General priority) | Peer-reviewer's expertise on the |
| <input type="checkbox"/> Grade E: Do not | language polishing | <input checked="" type="checkbox"/> Minor revision | topic of the manuscript: |
| publish | <input type="checkbox"/> Grade D: Rejection | <input type="checkbox"/> Major revision | <input type="checkbox"/> Advanced |
| | | <input type="checkbox"/> Rejection | <input checked="" type="checkbox"/> General |
| | | | <input type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |



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SPECIFIC COMMENTS TO AUTHORS

Minor Comments: 1) Description of the association between the pathogenesis of NAFLD and gut microbiota is lacking. I recommend to the authors to briefly summarize the mechanism of gut microbiota (in immune point and metabolite point) on the pathogenesis of NAFLD between the “introduction” and “antibiotics” section. 2) More than 130 clinical studies are currently ongoing targeting NAFLD. Among these, I would like to recommend the authors to organize the clinical research (centered on phase 2 or phase 3) that targets the gut microbiota into a new table other than FMT.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

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- Duplicate publication
- Plagiarism
- No