

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 65859

Title: Overview of the microbiota in the gut-liver axis in viral B and C hepatitis

Reviewer's code: 05771318

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Romania

Manuscript submission date: 2021-03-18

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-06-30 13:29

Reviewer performed review: 2021-07-11 01:49

Review time: 10 Days and 12 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 Grade E: Do not publish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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" 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



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SPECIFIC COMMENTS TO AUTHORS

1. In the “Microbiota and the immune system” part, clarify the relationship between products produced by microbiota, immune system and hepatitis B and C? 2. In the “The Gut Microbiota-Viral B and C hepatitis” part, The treatment of hepatitis B or C influence the diversity and abundance of the intestinal microbiota. How to increase this diversity and abundance by interfering with microbiota to avoid the side effects of traditional treatment? 3. In the process of interfering with intestinal microbial therapy, how to ensure that the anti-inflammatory effect of microbial components is enhanced, while the pro-inflammatory effect is weakened?

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 65859

Title: Overview of the microbiota in the gut-liver axis in viral B and C hepatitis

Reviewer's code: 05266421

Position: Peer Reviewer

Academic degree: PhD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Romania

Manuscript submission date: 2021-03-18

Reviewer chosen by: Jin-Lei Wang

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Reviewer performed review: 2021-07-15 03:07

Review time: 15 Days and 20 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
Re-review	<input type="checkbox"/> Yes <input checked="" 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

This is an interesting topic, but some concerns should be answered before a conclusion can be reached. 1. This article focused on the gut-liver axis in viral B and C hepatitis, but the first half of the article mentioned the 'Microbiota and the immune system' can not contact closely with viral B and C hepatitis. Thus, you'd better to introduce the relationship of the microbiota and the immune system of hepatitis or hepatic carcinoma besides. 2. The title of this article is 'An overview of the gut-liver axis in viral B and C hepatitis'. As far as i know, the analysis of microbiota included not only the metabolome but also the metagenome, transcriptome and proteome, which did not mention in the article. In my opinion, you'd better change your title or provide the information of other analysis of microbiota in addition. 3. I have noticed the article named "Gut microbiome influences efficacy of PD-1-based immunotherapy against epithelial tumors about microbiota" published in Science. Also, there are some articles about microbiota influences the efficacy of PD-1 based immunotherapy. Immunotherapy is one of the important treatment of hepatic carcinoma. Therefore, it is better to give more information about microbiome and immunotherapy in hepatic carcinoma.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 65859

Title: Overview of the microbiota in the gut-liver axis in viral B and C hepatitis

Reviewer's code: 05190007

Position: Editorial Board

Academic degree: MD

Professional title: Associate Professor, Doctor

Reviewer's Country/Territory: Egypt

Author's Country/Territory: Romania

Manuscript submission date: 2021-03-18

Reviewer chosen by: Jin-Lei Wang

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Review time: 23 Days and 18 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
Re-review	<input type="checkbox"/> Yes <input checked="" 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

Neag and colleagues presented an overview of the gut-liver axis in viral B and C hepatitis. The topic targets an important and new issue in the field. The title reflects the main subject of the manuscript. The abstract reflects the work described in the manuscript. The keywords reflect the focus of the manuscript. The manuscript appropriately cites the latest and important references. The presented figures are clear. Language is acceptable but needs some revision. Minor comments: Tables: - A title should be written for each table - Table 1: What is the difference you mean between "chronic HBV infection" and "chronic hepatitis B". The difference should be at least mentioned in a footnote of the table. There is disarrangement of the headings with repetition of the same titles "chronic hepatitis B" What is meant by stage 4 HCV infection? Language: - Abstract: "..... highlight the influenced..."----- correct to ".....highlight the influence..." - Introduction: page 2, line 5: cytopenic or cytopathic? - Page 7, line 2: also, IL-22 in involved..... is involved - Page 7, heading 2.4.Flagellin: flagellin in involved..... is involved - Page 8, last paragraph: these protease.... these proteases - Page 11, under the title 5. The Gut Microbiota..... "It has been shown that there is a direct link between intestinal microbiota dysbiosis in patients with HBV or HCV-related liver disease"..... Please rephrase - Page 16, under the conclusion: determent.....determinant Page 15: - Third paragraph: what is the difference between "symbiotic" and "synbiotic" ? Conclusion: - It is better to remove "as we have seen"