

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 79960

**Title:** Hepatocellular carcinoma in Non-alcoholic steatohepatitis without cirrhosis

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

**Peer-review model:** Single blind

**Reviewer's code:** 03536702

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2022-09-12

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-13 03:53

**Reviewer performed review:** 2022-09-16 09:07

**Review time:** 3 Days and 5 Hours

|                    |   |
|--------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><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 Grade E: Do not publish            |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<br><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)<br><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      | Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous   |

statements

Conflicts-of-Interest: [ ] Yes [Y] No

## SPECIFIC COMMENTS TO AUTHORS

This paper provide a review on the epidemiology, the pathophysiology, the histopathological aspects of non-cirrhotic NAFLD-related HCC as well as the current recommendations and novel perspectives in surveillance. It is well written in general, however, the manuscript needs a minor editing work for the following problems:

1. On page 6, in the last sentence, please define 'OR' and 'CI'. Some other abbreviations should be defined at the first time of use.
2. On page 7, in the first sentence of the first paragraph, is MBOAT or MBOAT7?
3. On page 7, in the first sentence of the second paragraph, please remove 'TM6SF2 transmembrane 6 superfamily member 2 (TM6SF2)'.
4. On page 7, in the second paragraph, what do you mean '167K' allele? Please define it.
5. On page 7, in the fourth paragraph, 'hTERT' stands for human Telomerase reverse transcriptase, so you may add human before Telomerase reverse transcriptase or remove 'h' from hTERT.
6. On page 8, in the first line, remove a space before Hyperinsulinemia.
7. In 'Mallory denk bodies' should be 'Mallory Denk bodies'.
8. In 'NOVEL PERSPECTIVES IN SURVEILLANCE FORM HCC IN NAFLD', is "FORM" or 'FOR'?
9. In conclusion, remove '(sugestão)'.

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**Reviewer's code:** 00503243

**Position:** Editor-in-Chief

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2022-09-12

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-13 17:02

**Reviewer performed review:** 2022-09-17 15:59

**Review time:** 3 Days and 22 Hours

|                           |   |
|---------------------------|---|
| <b>Scientific quality</b> | <input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good<br><input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish               |
| <b>Language quality</b>   | <input checked="" type="radio"/> Grade A: Priority publishing <input type="radio"/> Grade B: Minor language polishing<br><input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection |
| <b>Conclusion</b>         | <input checked="" type="radio"/> Accept (High priority) <input type="radio"/> Accept (General priority)<br><input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection                |
| <b>Re-review</b>          | <input type="radio"/> Yes <input checked="" type="radio"/> No   |
| <b>Peer-reviewer</b>      | Peer-Review: <input type="radio"/> Anonymous <input checked="" type="radio"/> Onymous   |

**statements**Conflicts-of-Interest: [ ☐ ] Yes [ ☒ ] No**SPECIFIC COMMENTS TO AUTHORS**

This is an excellent review on the hepatocellular carcinoma in non-alcoholic steatohepatitis without cirrhosis. The manuscript is complete, well written and easy to read. Almost all the relevant aspects are taken in consideration, as epidemiology, genetic, metabolic factors and histological factors. The recommendation given are important and validated by updated references. References in general are wide and updated. I congratulate with the authors for this relevant study.

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**Peer-review model:** Single blind

**Reviewer's code:** 06358310

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Doctor

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

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

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**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-09-17 02:38

**Reviewer performed review:** 2022-09-26 14:17

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

|                    |   |
|--------------------|---|
| Scientific quality | <input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good<br><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<br><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 checked="" type="checkbox"/> Accept (General priority)<br><input 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      | 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**

This study reviewed the epidemiology, the pathophysiology, the histopathological aspects, the current recommendations and novel perspectives in surveillance of non-cirrhotic NAFLD-related HCC. This article is comprehensive and well-written. However, it would be better if the author briefly described the NAFLD in the INTRODUCTION part. This will help the reader better to understand this article.