

Reviewer #1:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: This review is well written and very informative, covering almost all the state of the art on the subject. The content fully reflects what is stated in the title. Abstract, discussion and outcomes are sufficiently, yet not completely, developed. All the main comments have been inserted in the attached text (87121-Manuscript File (with comments)). Here the major points: The review suffers from a lack of images, diagrams or tables; only one image has been included. Diagrams, tables or graphics play an important part in a better understanding of the content and should be featured in a review covering such a broad topic. There are various paragraphs in the paper that could be better summarized and/or explained with a good figure. I suggest the authors add at least one more figure to the manuscript. Although well-constructed and organized, the review deals with topics well discussed in papers already present in the literature; the authors are encouraged to consider all the aspect suggested in the inserted comments for a more complete work of revision.

Response: Thanks for your positive suggestion. We added Table 1 & 2 to make our paper more readable and understandable.

Reviewer #2:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Minor revision

Specific Comments to Authors: 1. I suggest the authors change the title ‘inflammation’ to ‘chronic inflammation’.

Response: Thanks for your positive suggestion. However, our manuscript not only introduced chronic but also acute inflammatory factors. According to MogoEdit Company advised, we thought that maintain “inflammation” is the best choice.

2. The authors might be considering adding autoimmune hepatitis and metabolic liver diseases such as primary biliary cholangitis, primary sclerosing cholangitis, and Wilson’s disease, etc. into this review article and comparing the similarities and differences in the development of primary liver cancers with viral, alcoholic, or steatotic etiologies.

Response: Thanks for your positive suggestion. We added 2.4 paragraph to introduce some liver diseases with inflammation.

3. Superscript reference 71 in line 9 of ‘Current Clinical Therapies’.

Response: Thanks for your suggestion. We revised this mistake.

4. Regarding the efficacy of nonsteroidal anti-inflammatory drugs in the treatment of tumors, the authors need to address the limitations & adverse events that hinder their chronic administration in real-world practices.

Response: Thanks for your positive suggestion. We added the anti-inflammatory drugs in the

treatment of tumors in clinic research for ‘Current Clinical Therapies’.

Reviewer #3:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Rejection

Specific Comments to Authors: This is an interesting paper approaching the issue of HCC from the inflammation perspective. Although the authors present a nice overview of some of the inflammatory factors involved, for the sake of completeness of such a review, they may also want to consider: -there are other areas that represent common ground between inflammation and HCC apart from viral hepatitis, alcoholic hepatitis, NAFLD, such as increased discussion of metabolic syndrome, including obesity and diabetes. -the authors may also want to use the new nomenclature, ie MAFLD instead of NALFD -the authors discuss several inflammation factors extensively, but when the paper comes to the "Current clinical Therapies" section it stops rather abruptly leaving the reader wanting to see more. Given that this is a review, the authors may consider extending this part so that it clarifies the clinical significance of a lot of these factors mentioned.

Response: Thanks for your positive suggestion. We added the 2.4 paragraph to introduce diabetic liver disease, PBC and other liver diseases which exhibited significant inflammation; moreover, the anti-inflammatory drugs in the treatment of tumors in clinic research for ‘Current Clinical Therapies’.

Science editor:

This review address topics already abundantly present in the literature; nonetheless it is well written and informative, covering “almost” all the state of the art on the subject, thus providing new insights for the scientific community. The content reflects what is stated in the title and abstract. The discussion and outcomes are sufficiently developed but it could be improved. The review could also benefit from the addition of figures, diagrams, or tables, as suggested to the authors. To the Authors: This review is well written and very informative, covering almost all the state of the art on the subject. The content fully reflects what is stated in the title. Abstract, discussion and outcomes are sufficiently, yet not completely, developed. All the main comments have been inserted in the attached text (87121-Manuscript File (with comments)). Here the major points: The review suffers from a lack of images, diagrams or tables; only one image has been included. Diagrams, tables or graphics play an important part in a better understanding of the content and should be featured in a review covering such a broad topic. There are various paragraphs in the paper that could be better summarized and/or explained with a good figure. I suggest the authors add at least one more figure to the manuscript. Although well-constructed and organized, the review deals with topics well discussed in papers already present in the literature; the authors are encouraged to consider all the aspect suggested in the inserted comments for a more complete work of revision.

Response: Thanks for your positive suggestion. We added Table 1 & 2 to make our paper more readable and understandable.

(2) Company editor-in-chief:

I have reviewed the Peer-Review Report and the full text of the manuscript, all of which have met the basic publishing requirements of the World Journal of Hepatology, and the manuscript is conditionally accepted. I have sent the manuscript to the author(s) for its revision according to the Peer-Review Report, Editorial Office's comments and the Criteria for Manuscript Revision by Authors. The quality of the English language of the manuscript does not meet the requirements of the journal. Before final acceptance, the author(s) must provide the English Language Certificate issued by a professional English language editing company. Please visit the following website for the professional English language editing companies we recommend:

<https://www.wjgnet.com/bpg/gerinfo/240>. Before final acceptance, when revising the manuscript, the author must supplement and improve the highlights of the latest cutting-edge research results, thereby further improving the content of the manuscript. To this end, authors are advised to apply a new tool, the Reference Citation Analysis (RCA). RCA is an artificial intelligence technology-based open multidisciplinary citation analysis database. In it, upon obtaining search results from the keywords entered by the author, "Impact Index Per Article" under "Ranked by" should be selected to find the latest highlight articles, which can then be used to further improve an article under preparation/peer-review/revision. Please visit our RCA database for more information at: <https://www.referencecitationanalysis.com/>. Uniform presentation should be used for figures showing the same or similar contents; for example, "Figure 1 Pathological changes of atrophic gastritis after treatment. A: ...; B: ...; C: ...; D: ...; E: ...; F: ...; G: ...". Please provide decomposable Figures (in which all components are movable and editable), organize them into a single PowerPoint file. Please check and confirm whether the figures are original (i.e. generated de novo by the author(s) for this paper). If the picture is 'original', the author needs to add the following copyright information to the bottom right-hand side of the picture in PowerPoint (PPT): Copyright ©The Author(s) 2023.

Response: Thanks for your positive suggestion. We revised whole manuscript with your advices, and modified the language again with MogoEdit Company with certification. Then, we uploaded the decomposable Figures 1 in PowerPoint (PPT).