

Thank you for reviewing our manuscript and for the possibility to resubmit it after revision. Changes made have been highlighted in yellow in the revised version of the manuscript.

Reviewer #1:

Scientific Quality: Grade C (Good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Major revision

Specific Comments to Authors: In this minireview, the authors conclude that inflammatory pathways seem to play a pivotal role in the pathophysiology of liver damage in SARS-CoV-2 infection. Since a complex and bidirectional relationship between fatty liver and COVID-19 has been highlighted in previous studies, whether there is an interplay between COVID-19 and pediatric fatty liver disease is proposed. This review is well written, but a large section is devoted to describing the association between COVID-19 and NAFLD in adults. I would suggest reviewing more details about the clinical characteristics and potential mechanism of COVID-19 associated liver injury in children as well as the interplay between COVID-19 and pediatric fatty liver disease. The mechanism underlying the increase of liver enzymes seemed to be different between adult and pediatric patients, which should also be discussed. This review will benefit from some Figures to highlight the potential mechanism outlined in this review.

Answer: thank you for your comment. We discussed in more depth the clinical characteristics and potential mechanism of COVID-19 associated liver injury in children. The potential interplay between COVID-19 and pediatric fatty liver disease has been also argued. Please see lines 118-121 and 143-155 of the revised version of the manuscript.

According to your comments, we added a figure summarizing the potential mechanism of this association. Please see Figure 1.

English language has been also polished throughout the manuscript. We also provided the certificate of native-English speaker for manuscript reviewing.

4 LANGUAGE QUALITY

Please resolve all language issues in the manuscript based on the peer review report. Please be sure to have a native-English speaker edit the manuscript for grammar, sentence structure, word usage, spelling, capitalization, punctuation, format, and general readability, so that the manuscript's language will meet our direct publishing needs.

5 EDITORIAL OFFICE'S COMMENTS

Authors must revise the manuscript according to the Editorial Office's comments and suggestions, which are listed below:

(1) **Science editor:** 1 Scientific quality: The manuscript describes a Minireview of the COVID-19 and pediatric fatty liver disease. The topic is within the scope of the WJG. (1) Classification: Grade C; (2) Summary of the Peer-Review Report: This review is well written. I would suggest reviewing

more details about the clinical characteristics and potential mechanism of COVID-19 associated liver injury in children. The questions raised by the reviewers should be answered; (3) Format: There are 2 tables; (4) References: A total of 45 references are cited, including 38 references published in the last 3 years; (5) Self-cited references: There are 3 self-cited references; and (6) References recommendations (kindly remind): The authors have the right to refuse to cite improper references recommended by the peer reviewer(s), especially references published by the peer reviewer(s) him/herself (themselves). If the authors find the peer reviewer(s) request for the authors to cite improper references published by him/herself (themselves), please send the peer reviewer's ID number to editorialoffice@wjgnet.com. The Editorial Office will close and remove the peer reviewer from the F6Publishing system immediately. 2 Language evaluation: Classification: Grade B. The manuscript is reviewed by a native English speaker. 3 Academic norms and rules: No academic misconduct was found in the Bing search. 4 Supplementary comments: This is an invited manuscript. No financial support was obtained for the study. The topic has not previously been published in the WJG. 5 Issues raised: The language classification is Grade B. Please visit the following website for the professional English language editing companies we recommend: <https://www.wjgnet.com/bpg/gerinfo/240>; 6 Recommendation: Conditional acceptance.