

## PEER-REVIEW REPORT

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

**Manuscript NO:** 63936

**Title:** COVID-19 and pediatric fatty liver disease: Is there interplay?

**Reviewer's code:** 05194619

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Assistant Professor

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

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

**Manuscript submission date:** 2021-02-06

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-02-12 13:57

**Reviewer performed review:** 2021-02-19 02:08

**Review time:** 6 Days and 12 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

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.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

**Manuscript submission date:** 2021-02-06

**Reviewer chosen by:** Han Zhang (Part-Time Editor)

**Reviewer accepted review:** 2021-03-31 01:34

**Reviewer performed review:** 2021-04-01 10:59

**Review time:** 1 Day and 9 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing <input type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	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

The authors have revised the manuscript in accordance with the peer-review report.I

think this article has basically met the publication requirements of the World Journal of Gastroenterology.