



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

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 Grade E: Do not publish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 type="checkbox"/> Minor revision <input checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input 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



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

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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Reviewer's Country/Territory: China

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

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 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
Conclusion	<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
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

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



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