



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 62734

Title: COVID-19 infection and liver injury: clinical features, biomarkers, potential mechanisms, treatment, and management challenges

Reviewer's code: 05395420

Position: Peer Reviewer

Academic degree: MS, PhD

Professional title: Assistant Professor, Research Fellow

Reviewer's Country/Territory: India

Author's Country/Territory: Iran

Manuscript submission date: 2021-01-18

Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-04-10 05:38

Reviewer performed review: 2021-04-11 00:29

Review time: 18 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 Grade E: Do not publish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

I commend the work of the authors to compile the evidence on hepatic dysfunction associated with the SARS-CoV-2 infection and its implications and management options available. The script is not comprehensive enough to include various aspects of liver injury and the associated mechanisms involved in their pathogenesis. The following are the shortcomings I find in this review which when addressed could further enhance the quality of the manuscript presented

1. the title needs change as nothing about the follow-up is given in the script. It would be better if mentioned as management challenges instead of management and follow-up
2. the pathomechanisms of liver injury mentioned could be better highlighted with an illustrative image depicting the pathways of liver injury due to COVID
3. there are various other articles published in the last 6 months which increased the understanding of the disease on hepatobiliary dysfunction due to the disease and inclusion of them would further add to the value of the manuscript. I could not find any of the articles in the above mentioned period included in this review.



PEER-REVIEW REPORT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 62734

Title: COVID-19 infection and liver injury: clinical features, biomarkers, potential mechanisms, treatment, and management challenges

Reviewer's code: 05311389

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Research Fellow

Reviewer's Country/Territory: Italy

Author's Country/Territory: Iran

Manuscript submission date: 2021-01-18

Reviewer chosen by: Man Liu

Reviewer accepted review: 2021-04-07 17:46

Reviewer performed review: 2021-04-13 10:31

Review time: 5 Days and 16 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Very good <input 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 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 statements	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

This is a very well done review on a relevant issue in this era. It is interesting the focus on both disease-related and drug-related hepatic involvement in COVID-19 patients. I have noticed only few and minor mistakes: - Line 97-98: "The prevalence of hypoalbuminemia..... was 6% (range 29-24%)". It is surely a typing error, but it must be corrected; - Line 149: "Researchers suggest that COVID-19 causes direct hepatocyte, acidophilic bodies.....". In this sentence you refer to the virus, so it is more correct "SARS-CoV-2" than "COVID-19"; - Line 424, Line 453, Line 509: the word "doctors" should be modified in "physicians"; These are only stylistic corrections; the general quality of the manuscript in very good and worthy of publication.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Clinical Cases

Manuscript NO: 62734

Title: COVID-19 infection and liver injury: clinical features, biomarkers, potential mechanisms, treatment, and management challenges

Reviewer's code: 05395420

Position: Peer Reviewer

Academic degree: MS, PhD

Professional title: Assistant Professor, Research Fellow

Reviewer's Country/Territory: India

Author's Country/Territory: Iran

Manuscript submission date: 2021-01-18

Reviewer chosen by: Le Zhang

Reviewer accepted review: 2021-05-10 09:56

Reviewer performed review: 2021-05-10 10:31

Review time: 1 Hour

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 checked="" 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



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Group**

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The figures 1-3 made as per the suggestion was not presented for review. Hence I recommend the authors submit them for review and after consideration of which the decision on the article can be made.