

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65277

**Title:** The Impact of COVID-19 on Liver

**Reviewer's code:** 02445854

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Doctor, Research Assistant Professor

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

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

**Manuscript submission date:** 2021-03-03

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-03 05:31

**Reviewer performed review:** 2021-03-03 06:55

**Review time:** 1 Hour

<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 Grade E: Do not publish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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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

## SPECIFIC COMMENTS TO AUTHORS

This review on liver injury caused by COVID-19 infection gives a clear picture of the current knowledge; however, it needs to be improved. These are my comments: All the acronyms/abbreviations must be defined at their first mention. The virus is sometimes wrongly defined as “SARS-CoV”, missing the number 2. Please correct throughout the manuscript. DILI paragraph The trial about Remdesivir has already been completed. Please correct. Moreover, it has been reported that signs or symptoms of liver inflammation can be observed [Remdesivir (VEKLURY) [package insert]. Food and Drug Administration. 2020. Available at: [https://www.accessdata.fda.gov/drugsatfda\\_docs/label/2020/214787Orig1s000lbl.pdf](https://www.accessdata.fda.gov/drugsatfda_docs/label/2020/214787Orig1s000lbl.pdf)]. For a thorough summary of the results of trials on Remdesivir and its adverse effects on the liver please refer to the NIH guidelines on the use of this drug: <https://www.covid19treatmentguidelines.nih.gov/antiviral-therapy/remdesivir/>. A case of DILI associated with the use of tocilizumab has been reported [Muhović D, et al. First case of drug-induced liver injury associated with the use of tocilizumab in a patient with COVID-19. *Liver Int* 2020;40:1901-5]. The cited study for Remdesivir (Ref.#26) is a wrong reference. In fact, this study refers to MERS. Please check the current literature related to COVID-19. “Symptoms and Signs of COVID-19 infection in Liver Dysfunction” paragraph Please check the following article: Brisca G, et al. SARS-CoV-2 Infection May Present as Acute Hepatitis in Children. *Pediatr Infect Dis J*. 2021 Feb 9. doi: 10.1097/INF.0000000000003098. “Image Finding in Liver Dysfunction after COVID-19 infection” paragraph Please check the following article: Spogis J, et al. Sonographic findings in coronavirus disease-19 associated liver damage. *PLoS One*. 2021 Feb 19;16(2):e0244781. doi: 10.1371/journal.pone.0244781. The English needs to be revised.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65277

**Title:** The Impact of COVID-19 on Liver

**Reviewer's code:** 05104705

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Surgeon

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

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

**Manuscript submission date:** 2021-03-03

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-03 14:04

**Reviewer performed review:** 2021-03-04 13:09

**Review time:** 23 Hours

<b>Scientific quality</b>	<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
<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 checked="" type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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

#### **SPECIFIC COMMENTS TO AUTHORS**

1.The author analysis the relevant factors of liver injury in patients with the COVID-19infection from the aspects of ethonology and pathological mechanism, and points out that cirrhosis is an indepeindependent-risk predictive factors. 2, The paper further certifies that the liver is one of the organs with the greatest influence on the in COVID-19 infection,which should be highly valued and monitored in the treatment.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65277

**Title:** The Impact of COVID-19 on Liver

**Reviewer's code:** 03765203

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Doctor, Postdoc, Senior Researcher

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

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

**Manuscript submission date:** 2021-03-03

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-03 21:17

**Reviewer performed review:** 2021-03-06 19:35

**Review time:** 2 Days and 22 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input 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

#### **SPECIFIC COMMENTS TO AUTHORS**

Study of great scientific relevance with information of great concern nowadays. This study will serve as a guide for conducting original studies. Complement stating that the theoretical framework is complete and also relevant.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65277

**Title:** The Impact of COVID-19 on Liver

**Reviewer's code:** 00001688

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-03-03

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-03 08:06

**Reviewer performed review:** 2021-03-07 07:22

**Review time:** 3 Days and 23 Hours

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 type="checkbox"/> Yes <input checked="" 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

#### **SPECIFIC COMMENTS TO AUTHORS**

This manuscript focuses on the hot topic of COVID-19 infection and in particular on the relationship between COVID-19 and the liver. It touches on the different aspects but does not approach any in detail. For example when discussing DILI, there are different drugs used in the treatment of COVID-19 in the past and at the present, that need to be discussed. Moreover there are two large studies from US (Richardson S, et al Presenting characteristics, co-morbidities, and outcomes among 5700 patients hospitalized with COVID-19 in the New York City area JAMA 2020; 323(29): 2052-2059 doi: 10.1001/jama.2020.6775) and another from an international registry study (Marjot T, Moon AM, Cook JA, et al. Outcomes following SARS-CoV-2 infection in patients with chronic liver disease: an international registry study. J Hepatol 2020; published online Oct 6. <https://doi.org/10.1016/j.jhep.2020.09.024>.) that were not quoted. The impact of COVID-19 on liver transplant should be discussed.



## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65277

**Title:** The Impact of COVID-19 on Liver

**Reviewer's code:** 05849057

**Position:** Peer Reviewer

**Academic degree:** PhD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2021-03-03

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-03 10:11

**Reviewer performed review:** 2021-03-08 00:30

**Review time:** 4 Days and 14 Hours

<b>Scientific quality</b>	[ <input checked="" type="radio"/> ] Grade A: Excellent [ <input type="radio"/> ] Grade B: Very good [ <input type="radio"/> ] Grade C: Good [ <input type="radio"/> ] Grade D: Fair [ <input type="radio"/> ] Grade E: Do not publish
<b>Language quality</b>	[ <input checked="" type="radio"/> ] Grade A: Priority publishing [ <input type="radio"/> ] Grade B: Minor language polishing [ <input type="radio"/> ] Grade C: A great deal of language polishing [ <input type="radio"/> ] Grade D: Rejection
<b>Conclusion</b>	[ <input checked="" type="radio"/> ] Accept (High priority) [ <input type="radio"/> ] Accept (General priority) [ <input type="radio"/> ] Minor revision [ <input type="radio"/> ] Major revision [ <input type="radio"/> ] Rejection
<b>Re-review</b>	[ <input type="radio"/> ] Yes [ <input checked="" type="radio"/> ] No
<b>Peer-reviewer statements</b>	Peer-Review: [ <input checked="" type="radio"/> ] Anonymous [ <input type="radio"/> ] Onymous Conflicts-of-Interest: [ <input checked="" type="radio"/> ] Yes [ <input type="radio"/> ] No

#### **SPECIFIC COMMENTS TO AUTHORS**

The article can improve the theoretical part and update the bibliography.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 65277

**Title:** The Impact of COVID-19 on Liver

**Reviewer's code:** 02445854

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Doctor, Research Assistant Professor

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

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

**Manuscript submission date:** 2021-03-03

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-04-26 13:19

**Reviewer performed review:** 2021-04-26 13:34

**Review time:** 1 Hour

<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 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 responded satisfactorily to all comments.



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