

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Meta-Analysis

**Manuscript NO:** 63143

**Title:** Post COVID-19 infection: Long term effects on liver and kidneys

**Reviewer's code:** 06006210

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-01-25

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-03-25 09:15

**Reviewer performed review:** 2021-03-25 12:12

**Review time:** 2 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 Grade E: Do not publish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 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 checked="" 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 type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

Please improve the medical terminology. There are grammatical mistakes, please extensively review and correct the grammatical mistakes. Provide studies on how liver impairment different in alcoholic COVID-19 patients than non-alcoholic. How to evaluate the liver dysfunction or renal impairment is due to COVID-19 medications or only due to COVID-19 infection. Please update the review manuscript with latest published research articles in this field.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Meta-Analysis

**Manuscript NO:** 63143

**Title:** Post COVID-19 infection: Long term effects on liver and kidneys

**Reviewer's code:** 05382791

**Position:** Peer Reviewer

**Academic degree:** MD, MSc

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-01-25

**Reviewer chosen by:** Man Liu

**Reviewer accepted review:** 2021-04-08 04:22

**Reviewer performed review:** 2021-04-08 17:55

**Review time:** 13 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 type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## **SPECIFIC COMMENTS TO AUTHORS**

Dear authors: With pleasure, I reviewed your article titled. My comments are as follows: In general, much information in the article is approached superficially, without relying on solid data or references that support what is written. For example: 1. The authors mention that liver damage in patients with SARS-CoV-2 can be due to the use of drugs or due to a cytopathic effect. However, they omit other theories such as inflammatory damage, endothelial thrombosis, or hypoxia/hypoperfusion damage. Therefore, their explanation of the pathophysiology is incomplete. Also, for a better description of the pathological findings, I suggest the following reference: Díaz LA, Idalsoaga F, Cannistra M, Candia R, Cabrera D, Barrera F, Soza A, Graham R, Riquelme A, Arrese M, Leise MD, Arab JP. High prevalence of hepatic steatosis and vascular thrombosis in COVID-19: A systematic review and meta-analysis of autopsy data. *World J Gastroenterol* 2020; 26 (48): 7693-7706. doi: 10.3748 / wjg.v26.i48.7693. 2. In the COVID-19 and Acute Kidney Injury (AKI) section, this paragraph says "AKI occurrence is considered a negative prognostic factor for survival and is more common in severely infected patients, especially those admitted to ICU", which is the mortality of patients who present AKI during the course of COVID -19? What reference supports this? 3. In the "Post-COVID-19 recovery" section, the first 2 paragraphs of the section do not have any reference to support what is written. Please add specific references that support what is said in each of your sentences. Besides, in this section, it is not discussed which are the sequels in the liver and in the kidney that remain as a consequence of the infection by SARS-CoV-2 or that can be considered as part of the "long-COVID-19 syndrome", as pointed out the title of this article. Please add detailed information about it. Other minor comments are as follows: 1. The title of the article is inappropriate because this article does not only describe the long-term effects on the liver and kidney as a result of COVID-19. This article makes a description of SARS-CoV-2, its general

pathophysiology, liver and kidney pathophysiology, and its post-COVID-19 effects. Therefore, I suggest modifying the title for one more according to the scope of the article.

2. I suggest replacing the term "COVID-19" with "SARS-CoV-2 infection" in the text.

3. The WHO guidelines for the management of COVID-19 do not recommend treatment with oseltamivir, arbidol hydrochloride, hydroxychloroquine, or plasma therapy. I suggest you only cite the treatments that are currently recommended. You can consult them at the following link: <https://www.who.int/publications/i/item/WHO-2019-nCoV-therapeutics-2021.1>

4. "COVID-19 virus" is a misnomer since COVID-19 is the name of the disease and SARS-CoV-2 is the name of the pathogen. Please, change the "COVID-19 virus" term in the text.

5. In the "Clinical Manifestations of COVID-19" section, I suggest modifying the phrase "Individuals of all age group are prone to COVID-19 infection", since, although any individual can become ill of COVID-19, the susceptibility varies according to the age group.

6. For a more precise explanation of the pathophysiology of kidney damage associated with COVID, I suggest the following reference: Rivero J, Merino-López M, Olmedo R, Garrido-Roldan R, Moguel B, Rojas G, Chavez-Morales A, Alvarez-Maldonado P, Duarte-Molina P, Castaño-Guerra R, Ruiz-Lopez IK, Soria-Castro E, Luna C, Bonilla-Méndez A, Baranda F, Zabal C, Madero-Rovaló M, Valdez-Ortiz R, Soto-Abraham MV, Vazquez-Rangel A. Association between Postmortem Kidney Biopsy Findings and Acute Kidney Injury from Patients with SARS-CoV-2 (COVID-19). Clin J Am Soc Nephrol 2021:CJN.16281020. doi: 10.2215/CJN.16281020.

7. In various parts of the article (including the title), replace the word "affects" with "effects".

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Meta-Analysis

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**Position:** Peer Reviewer

**Academic degree:** MD, MSc

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-01-25

**Reviewer chosen by:** Jia-Ping Yan

**Reviewer accepted review:** 2021-05-11 04:02

**Reviewer performed review:** 2021-05-11 05:06

**Review time:** 1 Hour

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input checked="" 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 type="checkbox"/> Grade C: A great deal of language polishing <input checked="" 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 type="checkbox"/> Major revision <input checked="" type="checkbox"/> Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

## SPECIFIC COMMENTS TO AUTHORS

The Answering Reviewers file doesn't have the answers to the questions made in the



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first review. The Answering Reviewers file and Manuscript file are the same files. Please, send the correct file according to the guidelines and requirements for manuscript revision. In addition, the Non-native speakers of English editing certificate are no a real certificate. Please send an authentic certificate by a professional English language editing company.