



Round-1

PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63143

Title: Post COVID-19 infection: Long term affects on liver and Kidneys

Reviewer's code: 06006210

Position: Peer Reviewer

Academic degree:

Professional title:

Reviewer's Country/Territory: Reviewer_Country

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

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 Grade D: Fair[] Grade E: Do not publish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



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SPECIFIC COMMENTS TO AUTHORS

Please improve the medical terminology. There are grammatical mistakes, please extensively review and correct the grammatical mistakes.

Rechecked all minor grammatical mistakes and corrected as per suggestion.

Provide studies on how liver impairment different in alcoholic COVID-19 patients than non-alcoholic.

Done. Authors are extremely thankful for this suggestion. Relevant information has been added as per suggestion.

How to evaluate the liver dysfunction or renal impairment is due to COVID-19 medications or only due to COVID-19 infection.

Done as suggested. Although liver dysfunction and renal impairment could be due to both factors, COVID-19 infection as well as medication, the same has been explained in para 2 of "Impact of COVID-19 on liver" section and para 1 "COVID-19 and Acute Kidney injury (AKI)"

Please update the review manuscript with latest published research articles in this field.

Review MS has been updated with recent research articles as suggested.



PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63143

Title: Post COVID-19 infection: Long term affects 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

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



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SPECIFIC COMMENTS TO AUTHORS

Dear authors: With pleasure, I reviewed your article titled.

Authors are extremely thankful to the reviewer for providing valuable suggestions to improve our manuscript. We have made our best efforts to incorporate all the suggestions of the reviewer.

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.

Done as suggested. Although liver damage due to SARS-CoV-2 has been explicitly written in para 2 of "impact of COVID-19 on liver" section, However, it has been elaborated and explained with added reference as per suggestion.

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.

Incorporated this suggested reference.

In the COVID-19 and Acute Kidney Injury (AKI) section, this paragraph says "AKI



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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?

Supportive reference added as suggested

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.

Specific references added in support of the text.

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.

Done as suggested.

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.

Done as suggested.



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

Done as suggested.

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-2021.14>.

Done. Thanks for the suggestion. Treatment strategies recommended by WHO have been incorporated in the relevant section.

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.

Done as suggested.

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.

Sentence modified as suggested.

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-



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Méndez A, Baranda F, Zabal C, Madero-Rovalo 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.

Reference incorporated as per suggestion.

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

Replaced as suggested.

Round-2

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

Point wise reply to additional comments 1. "Revised Manuscript file" was attached twice by mistake! Please find attached herewith "Answering reviewers file" 2. Sir, we have already attached the "Non-native speakers of English editing certificate" in the form of declaration from our side. We have published a number of scientific articles in English language in various reputed international journals (Please refer to our ORCID ID: 0000-0002-9583-0255 and 0000-0003-0748-8769). Also, the present article has been peer reviewed by senior scientists of our reputed organization. We are currently under lockdown due to 2nd wave of COVID-19 pandemic and its difficult for us to get the things done at this stage. Hence we humbly request you to accept the 'certificate' in its



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