



PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63053

Title: Is coronavirus (nCoV-19)-induced liver injury differed from other RNA-viruses?

Reviewer's code: 00722050

Position: Editorial Board

Academic degree: FRCP (C), MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Canada

Author's Country/Territory: Iraq

Manuscript submission date: 2021-01-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-23 17:25

Reviewer performed review: 2021-01-23 17:40

Review time: 1 Hour

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 Grade E: Do not publish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 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 type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input 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



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SPECIFIC COMMENTS TO AUTHORS

This manuscript is excellent and I like the graphics. I think, there are some sentences that may be formulated in a milder way than it is currently presented. The authors should expand the mechanisms for microvascular steatosis, lobular focal necrosis, immune cells infiltration in the portal area. Although the chronicity of liver injury is still unknown and further prospective studies are warranted, some speculations may be incorporated into the manuscript using some genomic similarities with other RNA viruses.



PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63053

Title: Is coronavirus (nCoV-19)-induced liver injury differed from other RNA-viruses?

Reviewer's code: 03123424

Position: Peer Reviewer

Academic degree: MD

Professional title: Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Iraq

Manuscript submission date: 2021-01-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-24 08:18

Reviewer performed review: 2021-01-24 09:13

Review time: 1 Hour

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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
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SPECIFIC COMMENTS TO AUTHORS

1.review type articles, lack of originality. 2. The literature retrieved method for liver damage caused by coronavirus (nCoV-19) was not described in detail. 3.The authors should add to the database of documents searched for "liver injury" and "neo-coronavirus" as key search words for completeness and accuracy, and provide a specific description and comparison of the literature searched.



PEER-REVIEW REPORT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63053

Title: Is coronavirus (nCoV-19)-induced liver injury differed from other RNA-viruses?

Reviewer's code: 02860885

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Iraq

Manuscript submission date: 2021-01-23

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-24 03:20

Reviewer performed review: 2021-02-17 12:58

Review time: 24 Days 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 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
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SPECIFIC COMMENTS TO AUTHORS

The review "Is coronavirus (nCoV-19)-induced liver injury differed from other RNA-viruses?" wrote by Marwan S.M is interesting and worth clinical noticing. However, I have some recommendations for the author before acceptance. 1. In Diagram 1 in the "dsRNA", the abmisense should be ambisense. There are also duplicate Diagram 1 in the text. 2. The elevation of aminotransferase enzymes is related to the racial factor as Chinese patients are less frequently had high serum aminotransferases compared with United State patients infected with Covid-19 [11]. The "are" could be deleted for the correct meaning/grammer. 3. The explanation part as shown below lack references for each one. The explanation of abnormal serum levels of ALT and AST are attributed to: CoV infected the pulmonary tissue causing hypoxemia, and as the result of hypoxia-reoxygenation injury, Kupffer cells are activated leading to the generation of the free radicals that induce acute liver cell injury. Hypoxia de novo is a form of stress that increases the activity of the sympathetic autonomic nervous system and releasing adrenocorticotrophic hormone from the hypothalamus leading to acute liver injury. 4. In table 1, the following two drug categories contain no descriptions on their potential hepatotoxic effects. Membrane fusion inhibitors: Umifenovir Interferon-Lambda 5. In Covid-19 and metabolic dysfunction-associated fatty liver disease section, "Patients with fatty liver are at higher risk for drugs induced liver injury compared with non-infected healthy individuals or patients with fatty liver" should be corrected to "... or patients without fatty liver. 6. In How CoV infection aggravates the progression of NAFLD? Section, "... by inducing the expression of genes that promote energy embolism of the cells" should be "... energy metabolism of the cells" Another one is "e hepatitis B virus/hepatitis C virus due to their phagocytic activity and at the same time produce inflammatory mediators that cause immune tolerance towards HBV/HCV". In my opinion, adding eventually in "...produce inflammatory mediators



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that eventually cause immune tolerance towards HBV/HCV” is more reasonable. 7.

The author described “Acute liver injury was reported in 14 out of 105 (13.3%) patients with co-infections of Covid-19 and viral hepatitis due to hepatitis B virus (HBV), and only 4 patients progressed within short time to acute-on-chronic liver failure [56]. Transient elevations of ALT, AST, GGT, ALP, and bilirubin were observed in a small number of co-infected patients with Covid-19 and HBV”. However, the author should not use “only 4 patients...” since 4 out of 14 (28.57%) patients rapidly progressed to acute-on-chronic liver failure and the study concluded that “Liver injury in patients with SARS-CoV-2 and chronic HBV co-infection was associated with severity and poor prognosis of disease. During the treatment of COVID-19 in chronic HBV-infected patients, liver function should be taken seriously and evaluated frequently. The author should rewrite this paragraph and in the conclusion to emphasize the severity of Covid-19 and chronic HBV co-infection. 8. Should add some word like Antiviral (CoV) agent to the subtitle “Antiviral (CoV) and liver injury” 9. Should use “Other RNA virus” before starting introducing other RNA virus. Please give more introduction on the comparison of liver injury between Severe Acute Respiratory Syndrome (SARS) and Covid-19. Infected patients with Hepatitis C virus (HCV) usually had a previous history of Hepatitis B virus (HBV) and HAV infections, and their illness linked with liver autoimmune diseases as autoantibodies are detected in their sera [118] is not correct since most HCV are mono-infections and only minor portion of them have HCV and HBV coinfections. The reference should be updated. (such as World J Gastroenterol 2014 October 28; 20(40): 14559-14567 : The estimated prevalence of HBV/HCV dual infection is approximately 5%-20% in HBsAg positive patients and 2%-10% in HCV positive patients.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Title: Is coronavirus (nCoV-19)-induced liver injury differed from other RNA-viruses?

Reviewer's code: 00722050

Position: Editorial Board

Academic degree: FRCP (C), MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Canada

Author's Country/Territory: Iraq

Manuscript submission date: 2021-01-23

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-15 03:14

Reviewer performed review: 2021-03-15 11:55

Review time: 8 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 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 properly addressed the comments of the reviewers.



RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Meta-Analysis

Manuscript NO: 63053

Title: Is coronavirus (nCoV-19)-induced liver injury differed from other RNA-viruses?

Reviewer's code: 02860885

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Taiwan

Author's Country/Territory: Iraq

Manuscript submission date: 2021-01-23

Reviewer chosen by: Jin-Lei Wang

Reviewer accepted review: 2021-03-15 12:41

Reviewer performed review: 2021-03-17 14:23

Review time: 2 Days and 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
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SPECIFIC COMMENTS TO AUTHORS

1. The figure files and tables inserted in the text cannot be found or viewed. Please revise



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or resend the file. 2. Please write a point-to point response to reviewer for better understanding the change or response you made for each reviewer's comment.