

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 65176

**Title:** Liver disease in the era of COVID-19: Is the worst yet to come?

**Reviewer's code:** 05743807

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Staff Physician

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

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

**Manuscript submission date:** 2021-02-28

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2021-03-04 14:01

**Reviewer performed review:** 2021-03-11 09:06

**Review time:** 6 Days and 19 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 Grade E: Do not publish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 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
<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**

REVIEW REPORT Title: LIVER DISEASE IN THE ERA OF COVID-19 – IS THE WORST YET TO COME? Article type: Review NO: 65176 Journal: Artificial Intelligence in Gastroenterology Date: 11.03.2021 General comments: The authors (Mikolasevic et al) present in their article (Liver disease and COVID-19) a review on the topic of liver disease during the pandemic. The review was informative, however, there are already reviews on this topic as well as an official statement/review from the EASL-ESCMID, which has not been cited, yet shows in certain aspects a similar structure ([https://www.jhep-reports.eu/article/S2589-5559\(20\)30103-8/fulltext](https://www.jhep-reports.eu/article/S2589-5559(20)30103-8/fulltext); <https://doi.org/10.1016/j.jhepr.2020.100169>). From a language point of view, the article is well written. Some considerations: - I believe the article has been transferred from the WJG journal to the current journal. The header should be changed (Name of journal: ...). - Perhaps merely coincidence, yet the first paragraph of the introduction is quite similar to this article: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7182166/> - In the complications section there is no mention of thromboembolic occurrences, despite those being well documented: o Ackermann M, Verleden SE, Kuehnel M et al (2020) Pulmonary vascular endothelialitis, thrombosis, and angiogenesis in Covid-19. N Engl J Med 383:120–1283. o Bosmuller H, Traxler S, Bitzer M et al (2020) The evolution of pulmonary pathology in fatal COVID-19 disease: an autopsy study with clinical correlation. Virchows Arch 477:349–357 o Hanley B, Naresh KN, Roufosse C et al (2020) Histopathological findings and viral tropism in UK patients with severe fatal COVID-19: a postmortem study. Lancet 1:e245–e253 o Lax SF, Skok K, Zechner P et al (2020) Pulmonary arterial thrombosis in COVID-19 with fatal outcome: results from a prospective, single-center, clinicopathologic case series. Ann Intern Med. <https://doi.org/10.7326/M20-2566> o Multiple papers on viral tropism. o etc. - Furthermore, the introduction states that data on how the infection affects the liver is

still scarce. There are already several papers discussing this topic: o Pathophysiological mechanisms of liver injury in COVID - 19 (<https://onlinelibrary.wiley.com/doi/10.1111/liv.14730>) o Liver histopathology in severe COVID 19 respiratory failure is suggestive of vascular alterations (<https://onlinelibrary.wiley.com/doi/10.1111/liv.14601>) o <https://www.nature.com/articles/s41392-020-00406-1> - The authors present a review article and state “We performed a PubMed search using the keywords “chronic liver disease” and “COVID-19”. In this case, please add some sort of search protocol. When using this algorithm there are 396 results. Which were excluded, which were included. A PRISMA diagram would be the most transparent method of displaying the search method. - Furthermore, several relevant articles are omitted: o Age and comorbidity are central to the risk of death from COVID-19 in liver transplant recipients ([https://www.journal-of-hepatology.eu/article/S0168-8278\(21\)00085-4/fulltext](https://www.journal-of-hepatology.eu/article/S0168-8278(21)00085-4/fulltext)) o SARS-CoV-2 infection in patients with autoimmune hepatitis ([https://www.journal-of-hepatology.eu/article/S0168-8278\(21\)00033-7/fulltext](https://www.journal-of-hepatology.eu/article/S0168-8278(21)00033-7/fulltext)) o COVID-19 hits viral hepatitis care for vulnerable populations - The Lancet Gastroenterology & Hepatology o Factors associated with COVID-19-related death using OpenSAFELY (<https://www.nature.com/articles/s41586-020-2521-4>) The main premise was to offer a review on the effect of the pandemic on liver disease. I believe the article could be, provided the authors address and correct the mentioned points, accepted. With best regards.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 65176

**Title:** Liver disease in the era of COVID-19: Is the worst yet to come?

**Reviewer's code:** 02663375

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Academic Research, Doctor

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

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

**Manuscript submission date:** 2021-02-28

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-04-13 05:41

**Reviewer performed review:** 2021-04-13 09:35

**Review time:** 3 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 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



**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**

This is an interesting review that analyzes the available literature on this topic. These are my comments: The “background” contains a lot of imprecise or incorrect statements. On the other hand, it is not needed for the purpose of the study. Therefore, it must be deleted. Page 9: Please be aware that TE is a SWE technique as well. Do you mean ARFI-based technique instead? Check the guidelines (update to EFSUMB guidelines, update to WFUMB guidelines, SRU consensus and update to SRU consensus) and modify accordingly. Alcoholic liver disease and COVID-19: It is unclear why some phrases and the majority of the sentences are highlight with red font. Page 17, last sentence: the question mark is not needed.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 65176

**Title:** Liver disease in the era of COVID-19: Is the worst yet to come?

**Reviewer's code:** 05429744

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2021-02-28

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-04-15 07:44

**Reviewer performed review:** 2021-04-15 10:30

**Review time:** 2 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



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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**

1. The Review article very lucidly describes the effects the COVID 19 impact on the liver diseases ranging from NAFLD to HCC 2 The review article did a nice literature search and showed the social impact of lockdown on liver diseases as well as the effects of COVID 19 directly on the liver. 3 The Article has some minor drawbacks - the absence of adequate word spacing, no comment about Liver diseases in children Unsolved questions : Future studies about the Post COVID effect on liver disease in patients who recovered Shall the extended lockdown and social work culture during the Pandemic will see an upsurge of NAFLD Any Liver medicine working on COVID or vise Versa Effect of Long term anticoagulants on Liver diseases Overall the Article is Good and shall serve to the scientific research community in a compact data with regards to COVID with Liver diseases

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 65176

**Title:** Liver disease in the era of COVID-19: Is the worst yet to come?

**Reviewer's code:** 02663375

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Academic Research, Doctor

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

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

**Manuscript submission date:** 2021-02-28

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2021-07-27 07:53

**Reviewer performed review:** 2021-07-27 08:37

**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 have addressed the reviewer's comments