

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 82741

Title: Liver manifestations in Covid-19 patients

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05199192

Position: Peer Reviewer

Academic degree: MD

Professional title: Attending Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Lebanon

Manuscript submission date: 2022-12-27

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-01-03 02:48

Reviewer performed review: 2023-01-12 04:39

Review time: 9 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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
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

SPECIFIC COMMENTS TO AUTHORS

1. Many causal relationships are poor in many places in this article. For example, the second paragraph of the Pathophysiology section, "COVID-19 might contribute to liver damage through active viral replication in liver cells and through the angiotensin-converting enzyme 2 (ACE 2) receptor", does not seem to draw a conclusion that: " These conflicting observations lead us to find other contributing factors to liver injury, such as the presence of co-receptors or increased ACE-2 presentation on liver cell surfaces." 2. The drawing is rough, the arrow position is wrong in Figure 1, there is no arrow pointing to the liver in the vessels thrombosis in Figure 2, and the meaning of expression is unclear. 3. The epidemiological data of liver damage in patients with COVID-19 should be analyzed in more detail. For example, among patients with COVID-19, which groups of people in different ages are more likely to have liver damage? Are there any differences in the incidence rate of liver damage among COVID-19 subtypes? 4. In this paper, the mechanism of COVID-19 causing liver injury is described extensively but not in depth (such as the direct injury of liver cells by viruses, and the immune mechanism also plays an important role in liver injury, which



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can be described in depth). Secondly, between COVID-19 and various liver diseases, the author mainly describes the clinical symptoms (such as elevated transaminase, elevated bilirubin), but the corresponding mechanism is reviewed less. 5. The review is rich in content, but not deep enough, the focus is not prominent enough, and the key scientific issues are not well refined. 6. The full name of English abbreviations should be written when they first appear, for example, AASLD and HCC are not indicated. The upper and lower case of words are inconsistent, such as COVID and Covid.

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Peer-review model: Single blind

Reviewer's code: 05637482

Position: Peer Reviewer

Academic degree: MBBS, MD, MNAMS

Professional title: Doctor, Professor, Teacher

Reviewer's Country/Territory: India

Author's Country/Territory: Lebanon

Manuscript submission date: 2022-12-27

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-24 10:34

Reviewer performed review: 2023-01-24 10:52

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
Novelty of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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Scientific significance of the conclusion in this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
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 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
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

SPECIFIC COMMENTS TO AUTHORS

1. Diagram on Pathogenesis must be included in manuscript 2. Does liver injury due to covid -19 was secondry to Respiartory distress or it can primarily be involved also ? 3. conclusion may be rewritten with suggestion of what are possibilty and tools for further research 4. Liver injury assocaition with Antivirals used during covid (do they have a role) ?

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Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06109990

Position: Editorial Board

Academic degree: MBChB

Professional title: Academic Research, Full Professor, Senior Editor, Surgeon

Reviewer's Country/Territory: Iraq

Author's Country/Territory: Lebanon

Manuscript submission date: 2022-12-27

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-01-24 03:19

Reviewer performed review: 2023-01-24 18:00

Review time: 14 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
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	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The study design is not clear, whether it's a systematic review ± meta-analysis or a narrative review. Therefore, the study cannot be accepted in its current form.