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PEER-REVIEW REPORT

Name of journal: *World Journal of Hepatology*

Manuscript NO: 89299

Title: Molecular mechanisms underlying severe acute respiratory syndrome coronavirus-2 hepatotropism and liver damage

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05229914
Position: Editorial Board
Academic degree: MD, PhD
Professional title: Chairman, Chief Doctor, Director
Reviewer's Country/Territory: Thailand
Author's Country/Territory: Argentina

Manuscript submission date: 2023-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-11-03 02:23

Reviewer performed review: 2023-11-03 08:33

Review time: 6 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Excellent and concise summary. Three small redactorial suggestions.

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Peer-review model: Single blind

Reviewer's code: 06139511
Position: Peer Reviewer
Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Argentina

Manuscript submission date: 2023-10-26

Reviewer chosen by: AI Technique

Reviewer accepted review: 2023-11-03 08:49

Reviewer performed review: 2023-11-12 07:16

Review time: 8 Days and 22 Hours

Scientific quality	[ ] Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [Y] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [Y] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [Y] Grade D: No creativity or innovation

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Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [Y] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript entitled "Molecular mechanisms underlying SARS-CoV-2 hepatotropism and liver damage" offers a narrative of evidence that is available on the possibility of a hepatic infection of SARS CoV-2. However the title is not justified as no molecular mechanism has been provided. No fresh insight has been provided either. Furthermore, similar and better reviews are already available doi: 10.4269/ajtmh.21-1240.

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Peer-review model: Single blind

Reviewer's code: 00038362
Position: Editorial Board
Academic degree: PhD

Professional title: Chairman, Professor

Reviewer's Country/Territory: United

Manuscript submission date: 2023-10-26

Reviewer chosen by: Yu-Lu ChenStates

Author's Country/Territory: Argentina

Reviewer accepted review: 2023-11-17 15:50

Reviewer performed review: 2023-11-28 03:29

Review time: 10 Days and 11 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[Y] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty

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Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation
Scientific significance of the conclusion in this manuscript	[Y] Grade A: Excellent [ ] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[Y] Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [ ] Accept (General priority) [Y] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

This editorial article is well-written and offers a current overview of the impact of SARS-CoV-2 on liver cells, and its connection with liver pathologies observed in COVID-19. The article effectively explores topics such as the virus's entry into hepatic cells, potential entry mechanisms, and the roles of hypoxia, the liver's vascular system, and monocyte-derived macrophages in contributing to SARS-CoV-2-associated liver pathologies. However, the manuscript would benefit from a more pronounced statement clarifying that certain liver pathologies, like steatosis, may arise from pre-existing conditions that are not influenced or exacerbated by SARS-CoV-2. Additionally, incorporating a graphical abstract could enhance the presentation by visually summarizing key points and evidences.