

PEER-REVIEW REPORT

Name of journal: *World Journal of Virology*

Manuscript NO: 79823

Title: Association between COVID-19 and chronic liver disease: Mechanism, diagnosis, damage, and treatment

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 06292928

Position: Peer Reviewer

Academic degree: MD

Professional title: Docotr

Reviewer's Country/Territory: Iraq

Author's Country/Territory: China

Manuscript submission date: 2022-09-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-08 21:11

Reviewer performed review: 2022-09-09 22:32

Review time: 1 Day 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 Grade E: Do not publish
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Peer-reviewer statements	Peer-Review: [<input checked="" type="radio"/>] Anonymous [<input type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No
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SPECIFIC COMMENTS TO AUTHORS

Dear Authors have written many speculations in your result and more questions should be answered in this article such as: Q1-What are the relationship between the immunosuppressants drugs and antiviral process? Can you explain more bout that in relation to viral infection? Q-2Do you think that the issue with metabolism of drugs is in liver? Can we replace them with drugs have different metabolism ways? Q3-What about the dosages of these drugs? can we manage the dosages according to chronic diseases and hepatic diseases? Q4/ Do you have any special recommendation with your conclusions?

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Title: Association between COVID-19 and chronic liver disease: Mechanism, diagnosis, damage, and treatment

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02461627

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United Arab Emirates

Author's Country/Territory: China

Manuscript submission date: 2022-09-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-09 05:03

Reviewer performed review: 2022-09-10 07:42

Review time: 1 Day and 2 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

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

The manuscript entitled “Association between covid-19 and chronic liver disease: mechanism diagnosis, damage and treatment” and authored by Qi and Wu discuss the potential hepatotoxicity of COVID-19-related vaccines and drugs, which influenced the treatment of chronic liver disease (CLD) patients with SARS-CoV-2 infection. Authors then suggested that COVID-19 vaccines in terms of immunogenicity, duration of protection, and long-term safety for CLD patients need to be further investigated. Many natural products are used to individually treat COVI-19, CLD and other diseases with variable degrees of success and challenges. That notion should be introduced. Data from the following studies would adequately serve such purpose: PMID: 34202689, PMID: 17151316, <http://dx.doi.org/10.4236/jdm.2011.13006>, PMID: 17151319, PMID: 15362483, <https://doi.org/10.4236/ajps.2018.96091>, <https://thescipub.com/abstract/ajptsp.2006.21.25>, PMID: 32460808. One major concern that should be addressed: What time range of publication did this review article cover, what keywords did the search for literature include, what were the inclusion criteria, how many studies did the search find and how many were primary research vs review articles, of those, how many were selected for evaluation in this study, and finally what criteria were used for selecting the articles that were reviewed (was it the subject of the study, its novelty or both). Other comments • Proofreading is needed. • The list of references needs to be diversified and more inclusive. IF considered, the following studies would help addressing that concern and provide more insights into molecular bases of anti-inflammatory mechanisms of different biomolecules: PMID: 34662244, PMID: 35211395, PMID: 35517830, PMID: 35740022, PMID: 35177980, PMID: 33255507,



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<https://doi.org/10.1039/D0NA00958J>,

<https://doi.org/10.1186/s41936-020-00177-9>,

<https://doi.org/10.1186/s41936-021-00251-w>.

10.1097/HM9.0000000000000008,

PEER-REVIEW REPORT

Name of journal: *World Journal of Virology*

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Title: Association between COVID-19 and chronic liver disease: Mechanism, diagnosis, damage, and treatment

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 03600933

Position: Peer Reviewer

Academic degree: PhD

Professional title: Professor

Reviewer's Country/Territory: Bangladesh

Author's Country/Territory: China

Manuscript submission date: 2022-09-08

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-09-08 16:45

Reviewer performed review: 2022-09-17 06:52

Review time: 8 Days and 14 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 checked="" type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No



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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

The MS need the suitable table or figure or any conclusive summary that convey the impact of MS

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Virology*

Manuscript NO: 79823

Title: Association between COVID-19 and chronic liver disease: Mechanism, diagnosis, damage, and treatment

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Peer-review model: Single blind

Reviewer's code: 02461627

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: United Arab Emirates

Author's Country/Territory: China

Manuscript submission date: 2022-09-08

Reviewer chosen by: Jing-Jie Wang

Reviewer accepted review: 2022-10-08 13:48

Reviewer performed review: 2022-10-08 13:51

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 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 checked="" type="checkbox"/> Accept (General priority) <input type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

none