

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Virology*

**Manuscript NO:** 80601

**Title:** Immune-mediated liver injury following COVID-19 vaccination

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05947170

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-10-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-12 00:21

**Reviewer performed review:** 2022-10-20 08:53

**Review time:** 8 Days and 8 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 Grade E: Do not publish
Judgment by peer reviewers	Does this manuscript meet the code of ethics standards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important novelty? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important creativity or innovation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript use reliable research methods?

	<input type="checkbox"/> [41] Yes <input type="checkbox"/> [40] No Are the manuscript-accompanying data and figures authentic? <input type="checkbox"/> [51] Yes <input type="checkbox"/> [50] No Does this manuscript make scientifically significant conclusions? <input type="checkbox"/> [61] Yes <input type="checkbox"/> [60] No
<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 checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" 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

The adverse reactions caused by SARS-COV2 vaccination are the focus of global attention. This paper reviews the existing evidence related to the rare adverse event of Secondary liver injury after SARS-COV2 vaccination, and attempts to clarify its potential mechanism through immune mediated pathway, so as to establish the causal relationship with SARS-COV2 vaccine and liver injury. It is of great significance to promote the update of vaccine technology and the prevention and treatment of related adverse reactions.

1. So far, how many cases of liver injury caused by SARS-COV2 vaccination have been reported?
2. Are there ethnic and regional differences in liver injury after SARS-COV2 vaccination? What is the reason for the different time of liver injury?
3. It is suggested that the relevant mechanisms should be explained with figures.
4. Do you have any good suggestions for vaccine formulations?
5. The sense of article hierarchy is slightly poor.

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**Manuscript NO:** 80601

**Title:** Immune-mediated liver injury following COVID-19 vaccination

**Provenance and peer review:** Invited Manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 06409042

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2022-10-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-10-28 06:08

**Reviewer performed review:** 2022-11-05 04:58

**Review time:** 7 Days and 22 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
Judgment by peer reviewers	Does this manuscript meet the code of ethics standards? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important novelty? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript have important creativity or innovation? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Does this manuscript use reliable research methods?

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<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

thanks the authors for the submission and the Editor for the invitation to review it.  
 1.please specify quality of original data. 2.please add more tables and figures for easier comprehension.