

## PEER-REVIEW REPORT

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

**Manuscript NO:** 81702

**Title:** Autoimmune liver diseases and SARS-CoV-2

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

**Peer-review model:** Single blind

**Reviewer's code:** 01560784

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Chief Doctor, Chief Physician, Professor

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

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

**Manuscript submission date:** 2022-11-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-11-28 08:31

**Reviewer performed review:** 2022-12-01 01:24

**Review time:** 2 Days and 16 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 Grade E: Do not publish
<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 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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous

statements

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

## SPECIFIC COMMENTS TO AUTHORS

In the present, many case reports of autoimmune diseases following SARS CoV-2 vaccine, especially autoimmune hepatitis, have aroused great concern in the medical community. The reviews about the correlation between SARS CoV-2 vaccine, liver dysfunction, and autoimmune diseases have been published. This paper summarized the effects of autoimmune liver disease and SARS CoV-2 infection on the course and clinical outcome of both diseases; Secondly, the clinical features of autoimmune liver disease caused by SARS CoV-2 infection reported recently were summarized, and the possible mechanism of immune mediated liver damage caused by SARS CoV-2 infection was expounded. Finally, the demographic characteristics, clinical characteristics, therapeutic effects and prognosis of autoimmune liver disease induced by SARS CoV-2 vaccine were comprehensively summarized. The abstract reflect the work described in the manuscript. The manuscript is concisely and coherently organized and presented, and the references cited in this paper are novel. It is a suggestion: If the potential mechanism of autoimmune liver diseases induced by SARS-CoV-2 infection and vaccination might be demonstrated by schematic diagram.

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**Reviewer's code:** 00722786

**Position:** Editorial Board

**Academic degree:** MD, PhD

**Professional title:** Assistant Professor, Chief Doctor, Research Assistant Professor

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

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

**Manuscript submission date:** 2022-11-20

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-12-04 00:44

**Reviewer performed review:** 2022-12-04 21:27

**Review time:** 20 Hours

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
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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
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Peer-reviewer	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous



**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>

statements	Conflicts-of-Interest: [ ] Yes [Y] No
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#### **SPECIFIC COMMENTS TO AUTHORS**

Dear Authors, The manuscript "Autoimmune liver diseases and SARS-CoV-2" is concise, clear, comprehensive and interesting for readers of the WJG. It describes a very current topic in an adequate way and fulfills all the requirements to be published. Congratulations. I have only one suggestion. In the AILDs following SARS-CoV-2 vaccines section, there is a web address(<https://ourworldindata.org/covid-vaccinations>), which I think should be in the bibliography. Best regards,