

## PEER-REVIEW REPORT

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

**Manuscript NO:** 77743

**Title:** SARS-CoV-2 and the pancreas: What do we know about acute pancreatitis in COVID-19 positive patients?

**Provenance and peer review:** Unsolicited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer's code:** 05907822

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Professor

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

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

**Manuscript submission date:** 2022-05-17

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-05-18 00:38

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**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 Grade E: Do not publish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 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
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
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



**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>

<b>Peer-reviewer statements</b>	Peer-Review: [ <b>Y</b> ] Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes [ <b>Y</b> ] No
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## **SPECIFIC COMMENTS TO AUTHORS**

The authors report recent evidence on the correlation between COVID-19 infection and acute pancreatitis.

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**Reviewer's code:** 06040939

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Staff Physician

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

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<b>Scientific quality</b>	<input checked="" type="radio"/> Grade A: Excellent <input type="radio"/> Grade B: Very good <input type="radio"/> Grade C: Good <input type="radio"/> Grade D: Fair <input type="radio"/> Grade E: Do not publish
<b>Language quality</b>	<input type="radio"/> Grade A: Priority publishing <input checked="" type="radio"/> Grade B: Minor language polishing <input type="radio"/> Grade C: A great deal of language polishing <input type="radio"/> Grade D: Rejection
<b>Conclusion</b>	<input type="radio"/> Accept (High priority) <input checked="" type="radio"/> Accept (General priority) <input type="radio"/> Minor revision <input type="radio"/> Major revision <input type="radio"/> Rejection
<b>Re-review</b>	<input type="radio"/> Yes <input checked="" type="radio"/> No

<b>Peer-reviewer statements</b>	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

This editorial provides a deep revision of the publications about the connection between SARS-CoV-2 virus and acute pancreatitis (AP) cases among COVID-19 patients. Besides the molecular mechanisms authors review the impact of the virus in pancreatitis' severity, diagnostic approaches, scores, and therapeutics using the most recent and relevant available literature. Thus, this in-depth manuscript compiles and summarizes important information for clinicians. The manuscript is well written with appropriated language and grammar. Abstract summarizes adequately the important messages. Enough references are presented. They are relevant and include recent articles on the area. "WHAT DO WE KNOW ABOUT ACUTE PANCREATITIS IN COVID-POSITIVE PATIENTS? – Authors' statement that "SARS-CoV-2 cannot be said to be an etiological agent of acute pancreatitis" is an accurate conclusion. Appropriate literature about AP severity in these patients is given. Are any differences of the severity of AP among vaccinated and non-vaccinated COVID-19 patients? We would expect that COVID-19 positive vaccinated patients have less severe AP with less multiorgan dysfunction. In "COVID-19 VACCINE AND PANCREATITIS" it would be interesting to see if other vaccine types have any association with AP. Authors are correct in suggesting continuous monitoring and post-marketing surveillance. In the section "DO WE NEED TO CHANGE THE DIAGNOSTIC AND THERAPEUTIC APPROACH?" it's clear that available laboratory parameters and scores fail to predict outcome specifically in COVID-19 positive patients. The therapeutics are too extensive – it would be reasonable for an article about AP however it is pretended to point the differences in the management of COVID-19 patients with AP. Those differences (or similarities perhaps)

aren't explicit. Figures seem to add little to the article since they depict CT and intraoperative findings non-specific to COVID-19 positive patients. I suggest eliminating those. I would find rather interesting to include tables regarding the proposed mechanisms of COVID-19 related-pancreatitis or its' approach.