

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62292

Title: Gastrointestinal and hepatic diseases during COVID-19 pandemic; manifestations, mechanism and management

Reviewer's code: 05201806

Position: Peer Reviewer

Academic degree: MBBS, MD

Professional title: Research Fellow

Reviewer's Country/Territory: United States

Author's Country/Territory: Egypt

Manuscript submission date: 2021-01-15

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-01-17 14:14

Reviewer performed review: 2021-01-17 22:05

Review time: 7 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 Grade E: Do not publish
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 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

SPECIFIC COMMENTS TO AUTHORS

Comments: In this article, authors summarize the GI and hepatic disease during COVID-19, mechanisms and management. **Abstract:** Written well. Please replace side effects with adverse events. Images on page 3, well depicted. However change colon to GUT/ intestine (Colon is the main the organ involved in GI effects of COVID-19) **Introduction:** Start the introduction with coronavirus, prior outbreaks and current pandemic (PMID: 33282890 and PMID: 32281689). Provide 1-2 lines on the epidemiological data using Worldometer (use updated once). This should be followed by pulmonary and extrapulmonary manifestations of the COVID-19 (PMID: 32281689, PMID: 32903492, PMID: 32807535, PMID: 33349441, PMID: 33129845). Provide data on race and gender changes (PMID: 32850607). Section on diagnosis of COVID-19 can be removed as this is unrelated to current manuscript **GI manifestations:** Authors made good effort in describing the symptoms of GI effects. However they need to elaborate further on other GI effects such as a pancreatitis (PMID: 33129845), GI bleeding (PMID: 32516204), abdominal pain (PMID: 33330546). Page 9, last paragraph should be at the end. **Mechanisms of GI injury:** Authors discussion on the direct cytopathic effect, gut lung axis, drug effects. In the drug effects add the discussion on the PPI as these are commonly used in COVID with GI symptoms (PMID: 33252418). Furthermore, authors should mention that the true prevalence of GI symptoms are unclear due to studies evaluating the prevalence (with ruling out of the other causes are unclear and are likely overestimated) (PMID: 32535231). **COVID and liver manifestations:** This has been discussed extensively. Please add outcomes of the patients with severe elevation of aminotransferases in COVID-19 (refer to PMID: 32837096). **Endoscopy and COVID:** First mention about the prior data on the duodenoscopy related infections (PMID: 30569333). Authors should add the splash rate in endoscopy units (PMID: 30391253, PMID:



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31635718), minimizing personnel and unnecessary instrumentation (PMID: 33330546, PMID: 33063878), further techniques to reduce splashes (PMID: 31635718) should be given. Mention gaps in the knowledge (though there is theoretical risk of feco-oral transmission, the actual risk of transmission is extremely low). Despite the risk, endoscopy units have been functioning and reopening with no significant outbreaks noted (probably due to publication and reporting bias). Conclusion: Appropriate.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62292

Title: Gastrointestinal and hepatic diseases during COVID-19 pandemic; manifestations, mechanism and management

Reviewer's code: 00724887

Position: Editorial Board

Academic degree: MD

Professional title: Director

Reviewer's Country/Territory: India

Author's Country/Territory: Egypt

Manuscript submission date: 2021-01-15

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-01-17 15:54

Reviewer performed review: 2021-01-18 02:46

Review time: 10 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 checked="" type="checkbox"/> Minor revision <input 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

This is a well written manuscript in which authors review GI and hepatic manifestations of covid-19. I have few suggestions. The authors need to add pathological findings of liver injury in the manuscript like steatosis and lobular activity. The authors need to added few articles on pathology also. Also rarely allograft injury is also described. Kindly add that also.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62292

Title: Gastrointestinal and hepatic diseases during COVID-19 pandemic; manifestations, mechanism and management

Reviewer's code: 01551432

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Egypt

Manuscript submission date: 2021-01-15

Reviewer chosen by: Ya-Juan Ma

Reviewer accepted review: 2021-01-17 08:50

Reviewer performed review: 2021-01-18 11:02

Review time: 1 Day and 2 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
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
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

Dear authors, Thank you for your submitting the manuscript entitled, "Gastrointestinal and hepatic diseases during COVID-19 pandemic; Manifestations, Mechanism and Management " to WJG. The manuscript is well written and compactly summarized, and the topic is interesting and timely. The manuscript is readable and the schematic figures are nice. References are very recently published or reported. I think it is almost OK as it stands. However one minor criticisms should be addressed as following. Minor 1. Please revise the whole manuscript following the WJG style.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62292

Title: Gastrointestinal and hepatic diseases during COVID-19 pandemic; manifestations, mechanism and management

Reviewer's code: 03889126

Position: Peer Reviewer

Academic degree: MD

Professional title: N/A

Reviewer's Country/Territory: China

Author's Country/Territory: Egypt

Manuscript submission date: 2021-01-15

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-18 13:40

Reviewer performed review: 2021-01-23 13:53

Review time: 5 Days

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 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

Title: Review article: Gastrointestinal and hepatic diseases during COVID-19 pandemic; Manifestations, Mechanism and Management Conclusion: Minor revision Reviewer's comments: This review summarized the evidence for extra-pulmonary manifestations, mechanisms, and management of COVID-19 infection, particularly which related to the gastrointestinal tract and liver. In total, this is a well-written article. First of all, the authors introduced the history of coronaviruses and COVID-19, demographics and disease course of COVID-19, and diagnosis of COVID-19. In these parts, I think the demographics of COVID-19 is not unnecessary because the authors described the demographics of Gastrointestinal and hepatic diseases in Table 1. Then, the authors discuss the relationship between Gastrointestinal and COVID-19 in a lot of space with good figures. I suggest the authors add more contents related to liver function damage (which is very important), how to evaluate the liver damage during COVID-19? What are the pathological changes of hepatocyte under the damage of COVID-19? Is there any pathological picture?

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62292

Title: Gastrointestinal and hepatic diseases during COVID-19 pandemic; manifestations, mechanism and management

Reviewer's code: 01551432

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Doctor

Reviewer's Country/Territory: Japan

Author's Country/Territory: Egypt

Manuscript submission date: 2021-01-15

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-02-15 10:11

Reviewer performed review: 2021-02-15 11:51

Review time: 1 Hour

Scientific quality	[<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
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
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

SPECIFIC COMMENTS TO AUTHORS



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Dear Authors, on the schematic figure of page 3. properly revised as the reviewer 2. coment, as the other reviewer's comments. wholely, properly rivised as the all reviewers' comments, and It is OK as It stands, I think. sincerely

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62292

Title: Gastrointestinal and hepatic diseases during COVID-19 pandemic; manifestations, mechanism and management

Reviewer's code: 05201806

Position: Peer Reviewer

Academic degree: MBBS, MD

Professional title: Research Fellow

Reviewer's Country/Territory: United States

Author's Country/Territory: Egypt

Manuscript submission date: 2021-01-15

Reviewer chosen by: Jia-Ru Fan

Reviewer accepted review: 2021-02-15 12:54

Reviewer performed review: 2021-02-15 12:59

Review time: 1 Hour

Scientific quality	[<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
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
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SPECIFIC COMMENTS TO AUTHORS



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The authors made great effort and made all the changes satisfactorily. This manuscript can be accepted.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62292

Title: Gastrointestinal and hepatic diseases during COVID-19 pandemic; manifestations, mechanism and management

Reviewer's code: 00724887

Position: Editorial Board

Academic degree: MD

Professional title: Director

Reviewer's Country/Territory: India

Author's Country/Territory: Egypt

Manuscript submission date: 2021-01-15

Reviewer chosen by: Jia-Ru Fan

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Reviewer performed review: 2021-02-16 15:27

Review time: 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
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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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I dont have any issues now