

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 80568

Title: Liver Involvement in Patients with COVID-19 infection: a comprehensive overview of diagnostic imaging features

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05190614

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor, Professor, Teacher

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

Manuscript submission date: 2022-10-03

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-10-03 23:30

Reviewer performed review: 2022-10-05 06:18

Review time: 1 Day and 6 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 Grade E: Do not publish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 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 checked="" type="checkbox"/> Yes <input 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

SPECIFIC COMMENTS TO AUTHORS

Dear author, In their manuscript “Liver Involvement in Patients with COVID-19 infection: a comprehensive overview of diagnostic imaging features” the authors explored the spectrum of COVID-19 liver involvement and the most common imaging features of COVID-19 liver damage with a descriptive correlation to the underlying pathogenesis. In this review, liver damage can result in different ways, such as hepatomegaly, acute hepatitis, steatosis and steatohepatitis, portal vein thrombosis and liver infarction, biliary and gallbladder involvement, up to drug-induced liver injury, et al. Imaging examination plays an important role in the detection and follow-up of COVID-19 liver involvement. The subject of this study is interesting and useful for clinical applications. It is recommended to add a table, which contains manifestations of different degrees of COVID-19 liver injury in different imaging examinations (US, CT, MRI, et al), so that to make readers benefit faster and more efficient.

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Reviewer's code: 05086048

Position: Editorial Board

Academic degree: PhD

Professional title: Postdoctoral Fellow

Reviewer's Country/Territory: Germany

Author's Country/Territory: Italy

Manuscript submission date: 2022-10-03

Reviewer chosen by: Dong-Mei Wang

Reviewer accepted review: 2022-11-07 20:36

Reviewer performed review: 2022-11-13 09:28

Review time: 5 Days and 12 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 type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> <input checked="" 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

SPECIFIC COMMENTS TO AUTHORS

Though the present manuscript is good, there are several major flows: 1. Grammar: Throughout entire manuscript there is a problem with the punctuations and grammar error. This should be corrected by profession editing service or native speaker prior to publication. Though the certificate attached claimed to do so, the language is not upto the level of the science. 2. Author must mention if the images used in the manuscript are generated by themselves or obtained form earlier published resources. For instance, they have mentioned "steatosis [28, 29] (Figure 1)." If obtained from other paper, proper permission or reference required. They must include one heading additional information after conclusion and state how these images were generated or retrieved. 3. As a reader, i would be pleased to have one diagram describing the hypothesis or objective of the manuscript . Something like figure 3 of <https://www.nature.com/articles/s41575-021-00426-4> and figure 2 of <https://www.ajtmh.org/view/journals/tpmd/106/4/article-p1026.xml> 4. (Optional) Also one table something like table described in <https://www.ajtmh.org/view/journals/tpmd/106/4/article-p1026.xml> is also interesting. This will improve the quality of the manuscript 5. Also, include limitation and future perspective before the conclusion

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Peer-review model: Single blind

Reviewer's code: 05849479

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: China

Author's Country/Territory: Italy

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Reviewer chosen by: Dong-Mei Wang

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

Reviewer performed review: 2022-11-20 10:51

Review time: 12 Days 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 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

This is a excellent summary of the most important imaging features of liver involvement in patients with COVID-19. The imaging tools mainly described in this article are ultrasound, CT and MRI. At the same time, the types of liver injury caused by COVID-19 were described. The five most common diseases were hepatomegaly and steatosis, portal vein thrombosis, drug-induced liver injury, acute hepatitis, and biliary and gallbladder involvement. For liver diseases, these three types of imaging examinations are routine examinations, each with its own advantages and disadvantages. It'll be better for the author to illustrate whether these liver diseases caused by COVID-19 are different from those caused by other problems in imaging.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Position: Editorial Board

Academic degree: PhD

Professional title: Postdoctoral Fellow

Reviewer's Country/Territory: Germany

Author's Country/Territory: Italy

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Reviewer chosen by: Han Zhang

Reviewer accepted review: 2022-12-16 09:07

Reviewer performed review: 2022-12-20 14:32

Review time: 4 Days and 5 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 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

Manuscript may be accepted