

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 72387

Title: Animal models applied to acute-on-chronic liver failure: Are new models required to understand the human condition?

Provenance and peer review: Unsolicited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05348513

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Chairman, Doctor

Reviewer's Country/Territory: Turkey

Author's Country/Territory: Brazil

Manuscript submission date: 2021-10-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-04 08:23

Reviewer performed review: 2021-11-14 11:32

Review time: 10 Days and 3 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 Grade E: Do not publish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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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**Peer-reviewer
statements**

Peer-Review: ☒ Anonymous ☐ Onymous

Conflicts-of-Interest: ☐ Yes ☒ No

SPECIFIC COMMENTS TO AUTHORS

Thank you for this review.

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 72387

Title: Animal models applied to acute-on-chronic liver failure: Are new models required to understand the human condition?

Provenance and peer review: Unsolicited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05208113

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor, Lecturer

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2021-10-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-17 05:16

Reviewer performed review: 2021-11-22 10:31

Review time: 5 Days and 5 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 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 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="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

Authors made attempts to summarize the animal models developed for investigating the pathogenesis and therapeutics for acute-on-chronic failure liver. Although several different approach-induced animal models were described in paper, these information seemed to talk in generalities, lacking deep-going things and novelty. Additional, the strength and drawback of different animal models should be highlighted. The overall challenges for current animal models should be summarized and presented for requiring the new models.

PEER-REVIEW REPORT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 72387

Title: Animal models applied to acute-on-chronic liver failure: Are new models required to understand the human condition?

Provenance and peer review: Unsolicited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05270042

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Viet Nam

Author's Country/Territory: Brazil

Manuscript submission date: 2021-10-14

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-11-15 10:13

Reviewer performed review: 2021-11-25 01:03

Review time: 9 Days and 14 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: [☒] Anonymous [☐] OnymousConflicts-of-Interest: [☐] Yes [☒] No**SPECIFIC COMMENTS TO AUTHORS**

The authors have come up with a new idea to study ACLF, but the authors need to mention a few situations: 1. The authors carefully showed the mechanism of ACLF due to alcohol. It is necessary to discuss more about the mechanism due to toxicity and drugs. In Southeast Asian countries, the prevalence of HBV is high, ACLF often occurs when patients are being treated for chronic hepatitis B and they decide to stop taking the medicines for various reasons. Currently, the covid epidemic is serious, patients cannot go to the doctors, treatment interruptions are frequent and ACLF occurs. The authors should mention more about these issues. 2. In animal research, only ACLF due to toxicity has been studied, other reasons have not been done. This is a big obstacle; the authors should discuss this issue.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: *World Journal of Clinical Cases*

Manuscript NO: 72387

Title: Animal models applied to acute-on-chronic liver failure: Are new models required to understand the human condition?

Provenance and peer review: Unsolicited manuscript; externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05208113

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor, Lecturer

Reviewer's Country/Territory: China

Author's Country/Territory: Brazil

Manuscript submission date: 2021-10-14

Reviewer chosen by: Ji-Hong Liu

Reviewer accepted review: 2021-12-30 05:51

Reviewer performed review: 2021-12-30 06:47

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
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

suitable for publication