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PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 85402

Title: Non-coding RNAs: The potential biomarker or therapeutic target in hepatic ischemia-reperfusion injury

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 02985169
Position: Peer Reviewer
Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2023-05-06

Reviewer chosen by: Geng-Long Liu

Reviewer accepted review: 2023-05-26 09:19

Reviewer performed review: 2023-06-05 07:45

Review time: 9 Days and 22 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
Creativity or innovation of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No creativity or innovation

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Scientific significance of the conclusion in this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No scientific significance
Language quality	[ ] Grade A: Priority publishing [Y] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[ ] Yes [Y] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

I congratulate authors for a well-written and informative article. There are few language errors that need to be addressed. For instance, see line 8 of subsections 3.2 and 3.3 and line 7 of conclusion. The conclusion can be made more succinct.

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Reviewer's code: 03475142
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Assistant Professor
Reviewer's Country/Territory: Japan
Author's Country/Territory: China

Manuscript submission date: 2023-05-06
Reviewer chosen by: Geng-Long Liu
Reviewer accepted review: 2023-06-06 10:07
Reviewer performed review: 2023-06-14 09:17
Review time: 7 Days and 23 Hours

Scientific quality	[ ] Grade A: Excellent [Y] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
Novelty of this manuscript	[ ] Grade A: Excellent [Y] Grade B: Good [ ] Grade C: Fair [ ] Grade D: No novelty
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Conclusion	[ ] Accept (High priority) [Y] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
Re-review	[Y] Yes [ ] No
Peer-reviewer statements	Peer-Review: [Y] Anonymous [ ] Onymous
	Conflicts-of-Interest: [ ] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

The manuscript was reviewed for publication in the journal. The manuscript was designed to review the well-studied molecular mechanisms of hepatic ischemia-reperfusion injury (HIRI) and summarize the relevant ncRNAs and their roles in the pathological process of HIRI. It is the reviewer's opinion that the review is quite interesting and easy to follow. However, it appears that there are a couple of concerns in the manuscript. 1) The contents of Table 1 include miRNAs, Change, Targets, Effects on HIRI, Models, and References. On the contrary, the contents of Table 3 include Manuscript, Years, Type of model, lncRNAs and Description. It appears to be better to show the contents in Table 3 as with Table for better understanding. 2) The authors mentioned the molecular mechanisms of HIRI including oxidative stress, inflammatory response and immune response, and cell death. How about other mechanism of HIRI? Some ncRNA may be related to the other mechanism? 3) Minor points: The manuscript includes a mix of HIRI, hepatic I/R injury and I/R injury. Kupffer cells (KCs)include : no space before include Zhang et al found : no period after al modulatory effects no HIRI (in 3.5 The downregulated miRNAs) : on HIRI

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