

PEER-REVIEW REPORT

Name of journal: World Journal of Hepatology

Manuscript NO: 64425

Title: Direct, remote and combined ischemic conditioning in liver surgery.

Reviewer's code: 05429143

Position: Editorial Board

Academic degree: PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: China

Author's Country/Territory: Poland

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Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-02-18 02:40

Reviewer performed review: 2021-02-28 15:14

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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 Grade E: Do not publish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



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SPECIFIC COMMENTS TO AUTHORS

The topic is very important and describes an awkward situation that Ischemia-reperfusion injury (IRI) not only impairs liver functional reserve through and compromises liver capacity to regenerate. In this review, authors explored the value of ischemic preconditioning in liver resection and liver transplantation from multiple aspects (direct, remote and combined). From animal models to subsistent clinical trials, authors made a detailed overview and put forward a hypothesis that 5-minute ischemic periods may be insufficient. However, it would be great to provide a figure to summarize the mechanism of liver reperfusion injury and the intervention pathways of ischemic preconditioning on reperfusion injury. This allows readers to have a more intuitive understanding of the content of the article.