

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 60410

Title: Effect of remote ischemic preconditioning among donors and recipients following pediatric liver transplantation: A randomized clinical trial

Reviewer's code: 04054541

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoc, Research Fellow

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2020-10-29

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-11 13:02

Reviewer performed review: 2020-11-16 13:49

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 Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

Here the authors presented a Clinical Trial Study on the effect of Remote Ischemic Preconditioning (RIPC) on the post-operative liver function both in living liver donors and recipients, following pediatric liver transplantation. Different studies suggested that RIPC could ameliorate the Ischemia/Reperfusion Injury (IRI) during organ transplantation surgery. Evidence in animal models and patients confirmed that RIPC could be a potential strategy to reduce IRI and obtain an increased liver function after transplantation in the recipient. In literature, there are few data about pediatric liver transplantation and the employing of RIPC, so I think that the author presented a very interesting clinical trial study, even though the results deviate from those hoped for. I appreciated also the discussion section where the authors highlight the weaknesses of their work and the possible explanation for them. I have some curiosities: 1) are the authors planning to conduct further trials involving more centres to increase the number of patients? 2) Is there any evidence that the washout can affect the success of the RIPC? 3) Did you try to prolong the time of RIPC cycles in a small number of pediatric patients? In my opinion, the paper is generally well written and structured. The introduction is clear and appropriate references are listed. Also the other sections are adequately described and I suggest only a minor revision and the correction of some oversights and misspellings in the text that I have listed below. - At the end of the key word section a full stop is missing, please add it; - the results and discussion sections are left-aligned, please justify them; - in the discussion section, the word "malondialdehyde" is incorrect, please check it; - in reference 24 there are two full stops at the end, please eliminate them; - in figure 1, in the first text box, there is an extra space between the words "July" and "2017" and space is missing between "2017" and "screened", please correct these errors; - the legend of Table 4 is double spaced, please uniform it to the others and justify it; - In



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
https://www.wjgnet.com

supplementary Table 1, the p-value of “0164” needs a point.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 60410

Title: Effect of remote ischemic preconditioning among donors and recipients following pediatric liver transplantation: A randomized clinical trial

Reviewer's code: 00503026

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Assistant Professor

Reviewer's Country/Territory: Brazil

Author's Country/Territory: China

Manuscript submission date: 2020-10-29

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-17 12:40

Reviewer performed review: 2020-11-17 12:56

Review time: 1 Hour

Scientific quality	<input checked="" type="checkbox"/> Grade A: Excellent <input 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 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
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

The article is well written and didactical and brings important data on the liver transplanattion field. I suggest the authors discuss more deeeply the previous studies that evaluated Remote Ischemic Preconditioning in liver transplantaion. I found no other problem in the manuscript.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 60410

Title: Effect of remote ischemic preconditioning among donors and recipients following pediatric liver transplantation: A randomized clinical trial

Reviewer's code: 00030847

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Professor

Reviewer's Country/Territory: Japan

Author's Country/Territory: China

Manuscript submission date: 2020-10-29

Reviewer chosen by: Xi-Fang Chen (Part-Time Editor)

Reviewer accepted review: 2020-11-12 01:17

Reviewer performed review: 2020-11-19 07:34

Review time: 7 Days and 6 Hours

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
Re-review	[<input type="radio"/>] Yes [<input checked="" type="radio"/>] 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



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Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

SPECIFIC COMMENTS TO AUTHORS

This paper is a single-centre study, but is a well-designed, randomised controlled trial.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 60410

Title: Effect of remote ischemic preconditioning among donors and recipients following pediatric liver transplantation: A randomized clinical trial

Reviewer's code: 04054541

Position: Peer Reviewer

Academic degree: PhD

Professional title: Postdoc, Research Fellow

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2020-10-29

Reviewer chosen by: Pan Huang

Reviewer accepted review: 2020-12-10 10:44

Reviewer performed review: 2020-12-12 10:21

Review time: 1 Day and 23 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 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

In this new revised version of the paper entitled “Effect of Remote Ischemic Preconditioning among Donors and Recipients Following Pediatric Liver Transplantation: A Randomized Clinical Trial” the authors have fulfilled all my requests. So I am completely satisfied and I give my full consent to the publication of the manuscript.