

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 61592

**Title:** Perioperative blood transfusion decreases long-term survival in pediatric living donor liver transplantation

**Reviewer's code:** 05231434

**Position:** Associate Editor

**Academic degree:** BM BCh, MD, MSc

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** Egypt

**Author's Country/Territory:** Brazil

**Manuscript submission date:** 2020-12-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-12-28 10:05

**Reviewer performed review:** 2020-12-28 12:17

**Review time:** 2 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

Well written manuscript, with important findings.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 61592

**Title:** Perioperative blood transfusion decreases long-term survival in pediatric living donor liver transplantation

**Reviewer's code:** 05129224

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

**Reviewer's Country/Territory:** Turkey

**Author's Country/Territory:** Brazil

**Manuscript submission date:** 2020-12-18

**Reviewer chosen by:** Li Ma

**Reviewer accepted review:** 2020-12-21 11:56

**Reviewer performed review:** 2020-12-31 09:38

**Review time:** 9 Days and 21 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	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 are my suggestions: 1. In the first sentence of the Materials and Method section, I think "recipients" would be more appropriate than "receptors". 2. It was stated in the methos section that three patients who underwent retransplantation were excluded from the study. The reason for excluding these patients from the study is unclear. Shouldn't we consider retransplantation of these patients as a major complication according to your classification? 3. I think that in the first sentence of the third paragraph of the introduction section, "includes" is more appropriate instead of "covers". 4. In the "Late postoperative complications" section and in table 6; The "biliary fistula", "biliary stenosis", "hepatic artery thrombosis (HAT)", "portal vein thrombosis (PVT)", and "retransplantation" is classified as "graft related complication ". However, this complications are not only related to graft. The biliary stenosis may be due systemic response to healing. Also late arterial thrombosis is mostly due to endothelial damage caused by immunologic mechanisms after transplanataion. Therefore I think this classification is not appropriate. In addition, these complications may be encountered in the early postoperative period. Were not there any type of this complications (especially; "hepatic artery thrombosis", "portal vein thrombosis" and "biliary fistula") in early postoperative period in the study group.

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 61592

**Title:** Perioperative blood transfusion decreases long-term survival in pediatric living donor liver transplantation

**Reviewer's code:** 02860506

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Chief Doctor, Professor, Surgeon

**Reviewer's Country/Territory:** China

**Author's Country/Territory:** Brazil

**Manuscript submission date:** 2020-12-18

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-12-21 02:11

**Reviewer performed review:** 2021-01-02 08:50

**Review time:** 12 Days and 6 Hours

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>Peer-reviewer statements</b>	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**

Karina Gordon, et al. have described the high volume perioperative transfusion is associated with early and late postoperative complications and mortality in small patients undergoing PLDLT, and confirmed the cutoff volume ( $\text{RBC} > 27.5 \text{ mL/kg}$ ) was an independent risk factor for mortality, patient and graft survival. Given the lack of related research in young children, the topic is of certain potential interest. I suggested the authors: The last paragraph in the Discussion seems to be superficial, I would like to see authors' commentary as experts, like how to treat weak children who need to high volume transfusion, to improve their prognosis.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** World Journal of Gastroenterology

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**Reviewer's code:** 05231434

**Position:** Associate Editor

**Academic degree:** BM BCh, MD, MSc

**Professional title:** Associate Professor

**Reviewer's Country/Territory:** Egypt

**Author's Country/Territory:** Brazil

**Manuscript submission date:** 2020-12-18

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-01-22 23:46

**Reviewer performed review:** 2021-01-22 23:52

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	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



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Still the discussion part in need for better in-depth engagement into the topic. References  
needs more updating.-