



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Transplantation

**Manuscript NO:** 53825

**Title:** Links between donor macrosteatosis, interleukin-33 and complement after liver transplantation

**Reviewer’s code:** 03021264

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Professor

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

**Author’s Country/Territory:** United States

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-02-24 13:34

**Reviewer performed review:** 2020-02-27 00:49

**Review time:** 2 Days and 11 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good				<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input checked="" type="checkbox"/> Minor revision		Peer-reviewer’s expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> Advanced
				<input type="checkbox"/> General
				<input type="checkbox"/> No expertise
				Conflicts-of-Interest:



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Yes  
 No

#### **SPECIFIC COMMENTS TO AUTHORS**

The article quantified plasma IL-33 and complement proteins, C3a and C5a in recipients immediately following reperfusion, found these test variables elevated in patients receiving macrosteatotic grafts. The authors suggested that MaS donor may lead to more injury post-transplant and circulating IL-33 and activated complement immediately after liver transplantation as an early indicator of liver dysfunction. This paper provides a new index for the prognosis of macrosteatotic donor, which is helpful for clinical work. limitations: 1. there are fewer cases in Mas Group. Will the statistical results be affected? 2. The cold ischemia time of Mas Group were longer, although the author thought that it was not enough to cause adverse effects, but it can not completely exclude the effect on liver function recovery, just as many opinions shows that MAS will not cause adverse effects also; 3. The article is to evaluate the effect of MaS on liver dysfunction, and whether the survival rate can also be introduced? 4. Should the increased incidence of early allograft dysfunction (18% vs 60%) data in the Results of Abstract be reversed? 5. The authors hope to take the circulating IL-33 and activated complex as an early indicator of liver dysfunction. Can you compare the level of IL-33 and activated complex between the cases with liver dysfunction and those without liver dysfunction and get more meaningful results?



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**INITIAL REVIEW OF THE MANUSCRIPT**

***Google Search:***

- The same title
- Duplicate publication
- Plagiarism
- No

***BPG Search:***

- The same title
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- Plagiarism
- No



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Transplantation

**Manuscript NO:** 53825

**Title:** Links between donor macrosteatosis, interleukin-33 and complement after liver transplantation

**Reviewer’s code:** 01221666

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

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

**Reviewer’s Country/Territory:** Taiwan

**Author’s Country/Territory:** United States

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Le Zhang

**Reviewer accepted review:** 2020-02-23 05:10

**Reviewer performed review:** 2020-02-27 10:38

**Review time:** 4 Days and 5 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	RE-REVIEW	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept (High priority)	<input type="checkbox"/> Yes	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Accept (General priority)	<input type="checkbox"/> No	[Y] Anonymous
<input type="checkbox"/> Grade C: Good	[Y] Grade C: A great deal of language polishing	<input type="checkbox"/> Minor revision		[ ] Onymous
<input type="checkbox"/> Grade D: Fair		<input type="checkbox"/> Major revision		Peer-reviewer’s expertise on the topic of the manuscript:
[Y] Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	[Y] Rejection		[Y] Advanced
				[ ] General
				[ ] No expertise
				Conflicts-of-Interest:



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Yes

No

#### **SPECIFIC COMMENTS TO AUTHORS**

The authors try to understand the relationship between IL-33 and complement in recipients immediately following liver reperfusion as a marker of liver dysfunction. Comments 1. Liver dysfunction in this manuscript seem to be elevation of AST/ALT. Does this "dysfunction" cause any real disease, for example, graft failure, primary nonfunction, or cholestasis? 2. The markers, IL-33 and complement, derived from recipients immediately after liver reperfusion were linked to early liver "dysfunction". The time period between sampling and outcome is very short (a few days to 1 week). The clinical significance seems limited. Does this have any impact on longer outcome or short-term survival? 3. Can you explain more clear about the univariate analysis result in your study?

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### *Google Search:*

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- No



**RE-REVIEW REPORT OF REVISED MANUSCRIPT**

**Name of journal:** World Journal of Transplantation

**Manuscript NO:** 53825

**Title:** Links between donor macrosteatosis, interleukin-33 and complement after liver transplantation

**Reviewer’s code:** 01221666

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

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

**Reviewer’s Country/Territory:** Taiwan

**Author’s Country/Territory:** United States

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2020-04-14 13:18

**Reviewer performed review:** 2020-04-14 13:56

**Review time:** 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

I think the authors may need to provide KM curves and do the statistical test to compare the survival rates and confirm the results.

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**RE-REVIEW REPORT OF REVISED MANUSCRIPT**

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**Reviewer’s code:** 03021264

**Position:** Peer Reviewer

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**Professional title:** Professor

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

**Author’s Country/Territory:** United States

**Manuscript submission date:** 2019-12-31

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2020-04-15 01:48

**Reviewer performed review:** 2020-04-15 13:14

**Review time:** 11 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer’s expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No



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#### **SPECIFIC COMMENTS TO AUTHORS**

This paper provides a new index for the prognosis of macrosteatotic liver transplantation. I believe that the academic quality, language quality, and ethics of the manuscript meet the publishing requirements of the World Journal of Transplantation after the appropriate revision.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### *Google Search:*

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