

## PEER-REVIEW REPORT

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

**Manuscript NO:** 35647

**Title:** Mitofusin-2 prevents MICUs-induced liver injury in rat remote ischemic preconditioning liver transplantation and AM 2 hypoxia cell line models

**Reviewer's code:** 02822910

**Reviewer's country:** Turkey

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2017-08-02

**Date reviewed:** 2017-08-02

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

1-Thirty rats were randomly allocated to three groups (n=6 in each group): Sham, orthotopic liver transplantation (OLT) and remote ischemic preconditioning (RIC). What happened to 12 rats. 2- More technical details needed such as how did you study in lab?. A short explanation is needed for OLT and ischemia technique. Was the ischemia time between groups the same in terms of time? More technical details will help reader to make them believe that this study was really done in lab.

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

**Manuscript NO:** 35647

**Title:** Mitofusin-2 prevents MICUs-induced liver injury in rat remote ischemic preconditioning liver transplantation and AM Y2 hypoxia cell line models

**Reviewer's code:** 01221925

**Reviewer's country:** Greece

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2017-08-02

**Date reviewed:** 2017-08-02

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

This is an interesting paper looking at the role of mitofusin-2 in liver I/R injury. Could the authors please respond to the following questions/comments? 1) The paper could benefit from editorial language assistance. 2) Why were there only male rats used? 3) Could the authors describe in some more detail their technique of remote ischemic preconditioning in this model? 4) Could the authors define AML12 cells? 5) What were the cold ischemia and the warm ischemia times in this model? Both cold ischemia time (especially) and warm ischemia time are important for approximating the I/R injury of liver transplantation 6) Why were there different patterns in the comparison between the three groups regarding the mfn2 and the MICU? 7) Here the authors present two different sets of experiments with the surgical model on one hand and the experiments using the cell line on the other. Extrapolating between the two can create questions regarding any conclusions as the two have significant differences 8) What happened to



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the rest of the 30 rats if only 6 were used per group (3 groups)?

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**Manuscript NO:** 35647

**Title:** Mitofusin-2 prevents MICUs-induced liver injury in rat remote ischemic preconditioning liver transplantation and AM Y2 hypoxia cell line models

**Reviewer's code:** 02855928

**Reviewer's country:** Japan

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2017-08-02

**Date reviewed:** 2017-08-03

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input checked="" type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

1. This experimental model involves some invasive procedures. Ethical approval number from your IRB should be clearly mentioned. 2. For journal readers, protocol of analgesic agent should be mentioned.