

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 38683

Title: Ischemia/Reperfusion Injury in Porcine Intestine – Viability Assessment

Reviewer's code: 02441161

Reviewer's country: China

Science editor: Li Ma

Date sent for review: 2018-03-14

Date reviewed: 2018-03-25

Review time: 10 Days

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 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 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 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 type="checkbox"/> No	

COMMENTS TO AUTHORS

This excellent study written by Runar J Strand-Amundsen et al. has perfectly gone through the knowledge of the viability assessment of segmental small bowel ischemia/reperfusion in a porcine model. They found three hours of total ischemia of the small bowel followed by reperfusion appears to be the upper limit for viability in this porcine mesenteric ischemia model. I thoroughly enjoyed reading this manuscript, especially, the outcomes that can be achieved. The figures and tables are impressive to me. If they could cite and discuss the follow paper (World Journal of Gastroenterology, 2013 June 21; 19(23): 3555-3561) about gut ischemia/reperfusion injury in the discussion section it will be more readable to the readers.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 38683

Title: Ischemia/Reperfusion Injury in Porcine Intestine – Viability Assessment

Reviewer's code: 00503243

Reviewer's country: Italy

Science editor: Li Ma

Date sent for review: 2018-03-25

Date reviewed: 2018-04-07

Review time: 12 Days

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 checked="" type="checkbox"/> Grade B: Very good	<input 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"/> 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

The aim of the study was to a better understanding of gut ischemia reperfusion damage in the porcine gut using visual grading, microdialysis and histological grading. At the basis of the study are similarities between pig and human tissue. The authors were able to establish three hours of ischemia duration as the upper limit for viability. Unfortunately microdialysis was unable to give further information. Notwithstanding this limitation of the study, the manuscript is well written, and the study is important in the field of determining the main limitation in human beings affected by gut severe ischemia