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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 33337#

Title: Glutamine prevents oxidative stress in a model of portal hypertension

Reviewer's code: 00182114

Reviewer's country: Japan

Science editor: Ze-Mao Gong

Date sent for review: 2017-02-09

Date reviewed: 2017-02-14

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 checked="" 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 type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		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

Dear Author Author concluded that treatment with glutamine prevents gut mucosal injury after partial portal vein ligation model. I ask some questions. 1. Please tell me the portal pressure of SO,SO+G,PPVL and PPVL+G. 2. I think that portal hypertension is a key factor of gut injury by PPVL. I think glutamine reduce portal pressure and ameliorate all the intestinal histopathological changes, with reduction of edema and vasodilatation. Please tell me the comment between portal pressure and glutamine. Does glutamine reduce portal pressure in this study? 3. Antioxidant enzymes such as SOD, GPx and CAT play critical roles in oxidative stress protection by converting ROS into less harmful products. How about intestinal level of SOD,GPx and CAT in author's study?



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 33337#

Title: Glutamine prevents oxidative stress in a model of portal hypertension

Reviewer's code: 02789449

Reviewer's country: Spain

Science editor: Ze-Mao Gong

Date sent for review: 2017-02-09

Date reviewed: 2017-02-16

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"/> 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 type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		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

Título: Glutamine prevents oxidative stress in a model of portal hypertension The current work evaluates the protective effects of glutamine in a model of portal hypertension induced by partial portal vein ligation. It is a well-written paper, however the authors should take into account these minor points to improve the manuscript: 1. Abstract: "Largest area of staining", the total surface measured should be provided. The authors should be consistent in the abbreviations, once abbreviation appears should be kept through the text, such as control group = SO. 2. Materials and Methods In the section Animals, The conditions of humidity, illumination, temperature, number of subjects per cage...should be provided. In the section Evaluation of eNOS and iNOS, the deparaffinization method is borlada explained, however the authors must cut it off. On the contrary, nothing is said regarding the histology methods after the sectioning at 3 microns. This part should be detailed. Regarding the paragrapha explaining the antibodies staining, it will be recommended to adjust to well known protocolos which are effortless and clearest than the one employed here. Analysis of digital images: The



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systemic method by which the images were taken, before quantification, should be clarified. Discussion The third paragraph should be removed due to the lack of relevant information provided related to the current work. “there are substances with antioxidant properties...” The authors should include a paragraph in which hepatic encephalopathy will be linked to inflammation as it has been previously demonstrated (*Physiol & Behavior* 149 (2015):247; *Advances in Bioscience and Biotechnology* 3 (2012): 881). This will provide a broad vision regarding HE involved systems.