

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7529

Title: Protective effect of glutamine on intestinal injury and bacterial community in rats exposed to hypobaric hypoxia environment

Reviewer code: 00008736

Science editor: Qi, Yuan

Date sent for review: 2013-11-23 17:39

Date reviewed: 2013-11-27 20:26

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

In this paper, the effect of high altitude on the gastrointestinal system is simulated in a rat experiment. Glutamine is given as an intervention to overcome the changes induced by hypobaric hypoxia. The key findings presented here are of interest, but the manuscript is largely descriptive and would need additional control experiments (e.g. using another antioxidant in addition to Gln to confirm the role of ROS) or a more detailed analysis of the very interesting TLR4/MyD88/NFkB results shown here. In addition the manuscript needs major language revision. Specific comments: The list of instruments is not needed as a separate headline in the methods section. What is group C in the paragraph on experimental regimen (line 143)? What are Figures 2A and 2B (lines 281 and 290)? In Table 1, n=7 is given per group. Yet, the methods section states 10 animals per group. Please clarify! Error bars should be included in Figure 1. High Power Magnification is needed for Figure 2. The use of statistical indicators (*, **, #, ### etc) needs to be checked in the figures. These are sometimes not complete or misleading.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7529

Title: Protective effect of glutamine on intestinal injury and bacterial community in rats exposed to hypobaric hypoxia environment

Reviewer code: 00033010

Science editor: Qi, Yuan

Date sent for review: 2013-11-23 17:39

Date reviewed: 2013-12-04 18:48

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

The paper of Chun-lan Xu et al is a well designed study aimed to investigate the beneficial effects of glutamine on Intestinal damage of hypoxic and hypobaric environment in animal model. The results appear to be quite convincing and it will be interesting to reproduce them in humans. Main objections are: ? In the paper there are many unexplained abbreviations and this makes very hard the reading of the paper; usually abbreviations require to be reported "in extenso" at the first mention. ? A sentence defines glutamine as non-essential amino acid, since it is synthesized in the organism. However, it is emphasized the need of this substance for supporting the organism in some situations. Is its synthesis insufficient in some particular conditions? ? The study of villi morphology changes was well detailed. Nevertheless, also an increase of inflammatory cytokines was found in treated animals. What about microscopic inflammatory changes in the lamina propria of the small bowel? From the figures, despite the small magnification, it seems to be present an inflammatory infiltrate in treated groups, but not in controls.

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 7529

Title: Protective effect of glutamine on intestinal injury and bacterial community in rats exposed to hypobaric hypoxia environment

Reviewer code: 00068418

Science editor: Qi, Yuan

Date sent for review: 2013-11-23 17:39

Date reviewed: 2013-12-09 23:46

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

This manuscript is a well designed study and the The results appear to be of interest. Main objections are: 1. Some contents of the manuscript have traces of copying others paper (The evidences include the paragraph of lines 250 to 257; the “group C” of lines 143; the “Figures 2A” of lines 281 and the “Figures2B” of lines 290). 2. Usually abbreviations require to be reported “in extenso” at the first mention, while in this manuscript, there are many unexplained abbreviations.