

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 31819

Title: Alleviation of intestinal tight junction damage by Acanthopanax senticosus polysaccharides via inhibiting NF- κ B/MLCK pathway in mice model of endotoxemia

Reviewer's code: 02530654

Reviewer's country: France

Science editor: Ya-Juan Ma

Date sent for review: 2016-12-11 21:58

Date reviewed: 2016-12-21 22:50

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

Manuscript of Dr. Jie Han et al entitled "Alleviation of intestinal tight junction damage by Acanthopanax senticosus polysaccharides via inhibiting NF- κ B/ MLCK pathway in mice model of endotoxemia" The authors try to understand the signalling pathway involved for the beneficial effects of ASPS against LPS-induced mouse intestinal injury. This is a logical follow up of their recent article in Animal Science Journal (2016) indicating that ASPS inhibited TLR4/NF κ -B signalling pathways in LPS-challenged mice. Essentially, the authors pointed out that pretreatment of mice with ASPS inhibited the NF- κ B/ MLCK pathway associated with the expression and distribution of tight junction proteins. Comments: - There are several awkward sentences such as : Page 4 , lines first sentence in Introduction, Page 13 , in Discussion ; Tj losses are involved The text should be corrected for the English. - In introduction, page 5 , Why mention efficacy of ASPS when you have not studied it ? In the last chapter, the question addressed is not clearly presented and should be reorganized. Figures In general the lettering in most of the figures cannot be read, please improve them. Figure 1. There is no interest in showing figure B if you do not discuss the data. Discuss or



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Remove the data. Figure 2 - It is very difficult to see anything in figure C. Show bigger figures and comment them. In discussion -You can try to explain why ASPS is only a preventive agent as opposed to a cure. - Please also mention your recent work whereby ASPS has several ways of protecting the intestinal mucosal barrier such as raising EGFR expression... (Asian Australas J Anim .Sci Jan 2016) -In this context, how is ASPS acting on the epithelial cells to mediate the different effects, please comment.

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Title: Alleviation of intestinal tight junction damage by Acanthopanax senticosus polysaccharides via inhibiting NF- κ B/MLCK pathway in mice model of endotoxemia

Reviewer's code: 03028174

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Science editor: Ya-Juan Ma

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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"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
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<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 article is aimed to evaluate the effects of Acanthopanax senticosus polysaccharides on the intestinal tight junction damage in sepsis. The title is "Alleviation of intestinal tight junction damage by Acanthopanax senticosus polysaccharides via inhibiting NF- κ B/MLCK pathway in mice model of endotoxemia". 1. Several factors influence intestinal tight junction damage. Some limitations might be occurred. 2. Please add more details of the pathophysiology of these effects. 3. What are the new knowledges from this study? 4. Please add the limitations of the study. 5. This is an animal study. Further studies need to be done. Finally, please recommend the readers "How to apply this knowledge for routine clinical practice?".