

## PEER-REVIEW REPORT

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

**Manuscript NO:** 35930

**Title:** Effects of initiating time and dosage of Panax notoginseng on mucosal microvascular injury in experimental colitis

**Reviewer's code:** 00505467

**Reviewer's country:** Greece

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-09-17

**Date reviewed:** 2017-09-23

**Review time:** 6 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" 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 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 checked="" 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

A well-written and executed study which worth publishing. The answers at the end of discussion could be addressed in a future study in strict scientific manner conducted in both animals and humans.

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

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**Title:** Effects of initiating time and dosage of Panax notoginseng on mucosal microvascular injury in experimental colitis

**Reviewer's code:** 02533156

**Reviewer's country:** Ireland

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-09-07

**Date reviewed:** 2017-10-01

**Review time:** 24 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 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
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input checked="" 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 authors present their study of the effects of Panax notoginseng, a medicinal plant extract, in two rat models of colitis with particular emphasis on microvascular function including hypoxia, oxidative stress and vascular permeability. The results are interesting but there are a few issues to be addressed. There are some errors or grammar and spelling which should be addressed e.g. spelling of endothelial on page 3. The methods section lacks detail on how many animals were studied in each treatment group and how many replicates of the animal experiments were performed. It is unclear in the methods where the dosing for the plant extract came from and how this might correspond to dosing in humans. If this were translated to a human study doses of 1-2g/kg would equate to 75-150g for an average sized adult; this sounds like a very large dose of any medicinal product. This should be addressed. I did not find the description

for the method of quantification of microvessel density clear; could this be expanded and clarified? The text of the results section is clear enough but I find the figures (esp figures 1/2) very hard to read. I think these need to be restructured to make it possible to read the legends/ and p values etc. The pictures of the pathology sections are also very dark and I think need to be retaken with brighter fields to make it possible to see the detail. The legends should also be improved to make it clear what each individual panels shows (with use of arrows etc if required). The authors observe a clear difference in the impact of early (d3) versus late (d7) administration; I feel this has clear implications for the efficacy of the treatment in UC where the nature of the colitis is very chronic; I think this should be discussed and should some discussion about potential mechanisms of action for the therapy.