

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 40082

Title: Temporal clinical, proteomic, histological and cellular immune responses of DSS-induced acute colitis

Reviewer's code: 02941672

Reviewer's country: Japan

Science editor: Xue-Jiao Wang

Date sent for review: 2018-06-21

Date reviewed: 2018-07-01

Review time: 10 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The author revealed that plenty of cytokine expressions during the acute phase of DSS-induced colitis. These results are useful for understanding the cytokine pathway in this model. The followings are comments for minor revision. 1, Figure 4 and 8: The



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brown column means >6 but not presented in the scale bar. 2, Figure 5 to 7: It is confusing that data of IHC and flow cytometry are mixed. 3, Figure 5 and 7: The photos of IHC are too small to recognize. Only a bar graph is enough. 4, Figure 7: If MLN H&E staining are presented, the row and the column should be reversed as Figure 6. Figure 6 and 7 may be combined.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 40082

Title: Temporal clinical, proteomic, histological and cellular immune responses of DSS-induced acute colitis

Reviewer's code: 03257654

Reviewer's country: Canada

Science editor: Xue-Jiao Wang

Date sent for review: 2018-07-05

Date reviewed: 2018-07-26

Review time: 20 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

In this manuscript Nunes et al. present their findings of an experimental study in mice to explore the clinical, proteomic, histological and cellular immune responses following administration of DSS. This is an interesting and well-designed study which provides



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more mechanistic information about DSS colitis model. There are a few concerns that should be addressed by the authors: 1) Due to the small sample size and large variations of data, the authors are highly suggested to conduct non-parametric statistical analysis and update the results and discussion sections accordingly. I guess this will change some of their findings dramatically. 2) The authors should discuss more about their finding of the discrepancy in clinical and histological/immunological outcomes after discontinuation of DSS at day 8. minor comments: 1) I guess "innate" is missing in the last line of "core tip" section 2) Please provide the number of animals in the methods section more clearly. 3) In figures, the reference group for comparing the values is not clear

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- ☐ No