

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50124

Title: Clostridium butyricum alleviates the intestinal low-grade inflammation in TNBS-induced IBS in mice by regulating the functional status of lamina propria dendritic cells

Reviewer's code: 02520845

Reviewer's country: Croatia

Science editor: Ze-Mao Gong

Reviewer accepted review: 2019-07-12 16:54

Reviewer performed review: 2019-07-22 08:25

Review time: 9 Days and 15 Hours

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 checked="" 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 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

General comments The authors conducted an interesting study about effectiveness of Clostridium butyricum in the experimental induced irritable bowel syndrome. The data



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is clearly presented and text is easy to follow. The results are properly described in the context of the publish literature. It is interesting that authors notice the functional changes in intestine without morphological changes. The discussion is well organized. In conclusion, this is a very interesting study provides an insight in the role immune response in the intestine in irritable bowel syndrome and its adjustment after Clostridium butyricum therapy. T

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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- ☐ Plagiarism
- ☐ No

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Manuscript NO: 50124

Title: Clostridium butyricum alleviates the intestinal low-grade inflammation in TNBS-induced IBS in mice by regulating the functional status of lamina propria dendritic cells

Reviewer's code: 03478635

Reviewer's country: Japan

Science editor: Ze-Mao Gong

Reviewer accepted review: 2019-07-23 23:52

Reviewer performed review: 2019-07-25 08:55

Review time: 1 Day and 9 Hours

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:
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			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This is a very important study about irritable bowel syndrome and the role of dendritic cells. Effects of *C. butyricum* on the inflammatory cytokine in BMDCs were examined in



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figure 5, which is very interesting. The inhibition of the IL-6 production quantified by ELISA upon the addition of *C. butyricum* seems quite slight in Figure 5F. The condition of the stimulation with LPS may be discussed more.

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