



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53813

Title: Role of gut microbiota on intestinal barrier function in acute pancreatitis

Reviewer's code: 02650654

Position: Peer Reviewer

Academic degree: MD

Professional title: Associate Professor

Reviewer's Country/Territory: Italy

Author's Country/Territory: China

Manuscript submission date: 2020-01-12

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-12 12:40

Reviewer performed review: 2020-01-12 12:56

Review time: 1 Hour

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 checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input 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



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You can detail if today in course of acute pancreatitis is possible to protect a normal intestinal microbiota and to prevent microbes translocation.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

BPG Search:

- The same title
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- No



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53813

Title: Role of gut microbiota on intestinal barrier function in acute pancreatitis

Reviewer's code: 00053888

Position: Editorial Board

Academic degree: FRCS (Gen Surg), MD

Professional title: Attending Doctor, Doctor, Surgeon

Reviewer's Country/Territory: United Kingdom

Author's Country/Territory: China

Manuscript submission date: 2020-01-12

Reviewer chosen by: Jin-Zhou Tang

Reviewer accepted review: 2020-01-14 10:58

Reviewer performed review: 2020-01-14 11:59

Review time: 1 Hour

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

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The role of intestinal flora on gut permeability and the effects of severe inflammation is of great importance. the authors have produced a review of the role of these topics in acute pancreatitis and have postulated ways in which manipulation might worsen outcome and how this relates to other factors that have been shown to effect severity. The manuscript is well written with only a few grammatical and typographical errors. the main issue is that the manuscript is 'dry' and therefore hard to read and digest. I would suggest that it might benefit from tabulation (of for instance the bacteria) and possibly some schematic diagrams.

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BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 53813

Title: Role of gut microbiota on intestinal barrier function in acute pancreatitis

Reviewer's code: 01125451

Position: Editorial Board

Academic degree: FACG, FRCP (Hon), MD

Professional title: Professor

Reviewer's Country/Territory: India

Author's Country/Territory: China

Manuscript submission date: 2020-01-12

Reviewer chosen by: AI Technique

Reviewer accepted review: 2020-01-14 11:58

Reviewer performed review: 2020-01-14 12:43

Review time: 1 Hour

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

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The authors review the role of gut microbiota in acute pancreatitis. They have summarized results of various studies on the topic and have deduced that there is alteration in gut microbiota and it adversely affects intestinal barrier which in turn aggravates pancreatic and systemic inflammation and infection. The review can be made more useful if the following points can be incorporated: What brings about change in microbiota in acute pancreatitis Does etiology of AP matter? The authors could give more details of altered microbiota affecting inflammation, mechanical integrity and immune dysfunction and how these affect the course of the disease. They could elaborate on how dysbiosis affects inflammation and infection, both pancreatic and systemic. They could provide a flow-diagram to knit up all events. Reversing the microbiota alterations by probiotics and fecal transplantation need to be put in the right perspective, both in the text and in the conclusion segment.

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