

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 50366

**Title:** Correlation between invasive microbiota in margin-surrounding mucosa and anastomotic healing in patients with colorectal cancer

**Reviewer's code:** 02821410

**Reviewer's country:** Italy

**Science editor:** Jin-Lei Wang

**Reviewer accepted review:** 2019-07-29 17:48

**Reviewer performed review:** 2019-08-09 17:29

**Review time:** 10 Days and 23 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 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

### SPECIFIC COMMENTS TO AUTHORS

This is a very interesting and well performed study evaluating the structure shift of microbiota in mucosa tissues adjacent to surgical margin in patients who had undergone radical resection for colorectal cancer. Impaired anastomotic healing is one of the major



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7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-223-8242  
**Fax:** +1-925-223-8243  
**E-mail:** bpgoffice@wjgnet.com  
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complications resulted from this procedure and the authors highlighted the importance of identifying factors able to predict the healing status of anastomoses. They found that the community structure of margin-surrounding mucosal microbiota was significantly different between the impaired-healing group and well-healing group and six bacteria species were found significantly correlated with anastomotic healing. The interesting conclusion of the study was that, among the species investigated, *Alistipes shahii*, *Dialister pneumosintes*, and *Corynebacterium suicordis* could be used as supplementary factors in the prediction of the healing status of anastomoses in the patients who received radical resection of colorectal cancer. The study is well designed and well written with clinical relevant conclusions and appropriate data supporting the results.

#### INITIAL REVIEW OF THE MANUSCRIPT

##### *Google Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [ Y ] No

##### *BPG Search:*

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [ Y ] No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 50366

**Title:** Correlation between invasive microbiota in margin-surrounding mucosa and anastomotic healing in patients with colorectal cancer

**Reviewer's code:** 02937043

**Reviewer's country:** United States

**Science editor:** Jin-Lei Wang

**Reviewer accepted review:** 2019-08-06 04:01

**Reviewer performed review:** 2019-08-18 09:58

**Review time:** 12 Days and 5 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:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" 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 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

### SPECIFIC COMMENTS TO AUTHORS

This is an interesting study. The study is well designed and the results are good. I only suggest to make a minor language editing. And the abstract should be edited.



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7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
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## INITIAL REVIEW OF THE MANUSCRIPT

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### *BPG Search:*

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- ☐ Plagiarism
- ☒ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastrointestinal Oncology

**Manuscript NO:** 50366

**Title:** Correlation between invasive microbiota in margin-surrounding mucosa and anastomotic healing in patients with colorectal cancer

**Reviewer's code:** 02954517

**Reviewer's country:** Japan

**Science editor:** Jin-Lei Wang

**Reviewer accepted review:** 2019-08-06 04:02

**Reviewer performed review:** 2019-08-19 00:16

**Review time:** 12 Days and 20 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:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" 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 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

## SPECIFIC COMMENTS TO AUTHORS

This study is very interesting. In this study, the authors explored the structure shift of microbiota in mucosa tissues adjacent to surgical margin, and evaluated the predictive ability of selected bacterial taxa for the impaired anastomotic healing. Overall, this study



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160, Pleasanton, CA 94566, USA  
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**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

is well designed and the results are very interesting. The methods were described in detail. The results are well discussed. The references are updated. Minor comments: 1. The manuscript requires a minor language revision. There are some minor language polishing. 2. The figure 1 is too small. Please re-provide the images. 3. It seems the IRB statements are not included in the title page. Please add it.

#### **INITIAL REVIEW OF THE MANUSCRIPT**

##### ***Google Search:***

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- ☐ No

##### ***BPG Search:***

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No