

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 45588

**Title:** Role of the brain-gut axis in gastrointestinal cancer

**Reviewer's code:** 03087211

**Reviewer's country:** India

**Science editor:** Jin-Lei Wang

**Reviewer accepted review:** 2019-01-29 07:47

**Reviewer performed review:** 2019-01-29 07:49

**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 type="checkbox"/> Grade B: Minor language	(High priority)	<input 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS

The work is good up to some extent but may be improved by inclusion of the following suggestions. 1. English should be improved throughout the manuscript. 2. Quantitative information should be provided in the abstract. 3. The conclusion should be concise and to the points indicating the application of the work. 4. Novelty of the work be

established. 5. Write one paragraph on the cancer scenario in general with citation of following refs. Bioorg. & Med. Chem., 21: 3808-3820 (2013).; Curr. Drug Target, 16: 711-734 (2015).; Future Med. Chem., 5, 961-978 (2013).; Anti-Cancer Agents Med. Chem., 13: 296-306 (2013).; Current Drug Ther, 7: 13-23 (2012).; Chirality, 30, 402-406 (2018). Can. Ther., 8: 6-14 (2011).; Curr. Can. Drug Targets, 11, 131-134 (2011).; Egyp. Pharm. J., 9: 133-179 (2010).; Med. Chem., 9, 11-21 (2013).; Med. Chem. Res., 22, 1386-1398 (2013). Polyhedron 56, 134-143 (2013).; RSC Advances 4, 29629-29641 (2014).; Anti Can. Res 58, 437-494 (2013).; Curr. Med. Chem., 2159-2187 (2016).; J. Mol. Liq., 234, 391-402 (2017).; Biointerf. Res. Appl. Chem., 6: 1356-1379 (2016). I WOULD LIKE TO SEE THE REVISED MANUSCRIPT.

#### 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 Clinical Cases

**Manuscript NO:** 45588

**Title:** Role of the brain-gut axis in gastrointestinal cancer

**Reviewer's code:** 03699937

**Reviewer's country:** Iran

**Science editor:** Jin-Lei Wang

**Reviewer accepted review:** 2019-01-29 08:45

**Reviewer performed review:** 2019-01-29 09:51

**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 checked="" 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 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

It is my pleasure to see such nice paper invited for review.

I have read it and found it potentially good for WJG, however, I have some comments to improve the paper before final decision on:

- 1- Title: I suggest to change it. It is a bit same as others already published. So my strong recommendation is to first check the databases and see how many similar

titles are released yet. Then, using current knowledge in this paper can easily suggest better ones for you.

- 2- Introduction is fine and acceptable.
- 3- Figure 1: Nicely designed but I would prefer to remove it. Reason: All data raise is already discussed in the text! Thus, to reduce the repeating text, please delete it
- 4- In the section: 16  
3.1 Brain-derived nerve growth factor (BDNF) and GI cancer

I would recommend to divide it in to the two basic division: Stomach cancer and colon-associated ones. As such you can find other factors attributed in and also discuss it better. Hopefully you can find many infectious agents include bacterial agents and viral ones which are the subjects of this cancer. For sure, you can get more attentions if you add this sort of information in it.

- 5- Due to the importance of gastric cancer, I would suggest authors to first add a new section to well-define it, then addressing necessary items with it. In this regard, authors can read these below listed paper to enrich the text accordingly:  
Cassaro, Mauro, Massimo Rugge, Oscar Gutierrez, Gioacchino Leandro, David Y. Graham, and Robert M. Genta. "Topographic patterns of intestinal metaplasia and gastric cancer." *The American journal of gastroenterology* 95, no. 6 (2000): 1431.  
Abadi, Amin Talebi Bezmin, and Johannes G. Kusters. "Management of *Helicobacter pylori* infections." *BMC gastroenterology* 16, no. 1 (2016): 94.

Asaka, Masahiro, Toshio Kimura, Mototsugu Kato, Mineo Kudo, Kazumasa Miki, Kazuei Ogoshi, Toshiaki Kato, Masaharu Tatsuta, and David Y. Graham. "Possible role of *Helicobacter pylori* infection in early gastric cancer development." *Cancer* 73, no. 11 (1994): 2691-2694.

## INITIAL REVIEW OF THE MANUSCRIPT

### *Google Search:*

- [ ] The same title
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- [Y] No



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*BPG Search:*

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 45588

**Title:** Role of the brain-gut axis in gastrointestinal cancer

**Reviewer's code:** 03033812

**Reviewer's country:** Brazil

**Science editor:** Jin-Lei Wang

**Reviewer accepted review:** 2019-01-29 16:50

**Reviewer performed review:** 2019-01-29 17:07

**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 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

Ziyang et al. present a review manuscript on the brain-gut axis and carcinogenesis. The review is interesting and comprehensive. The topic is; however, arduous and too much molecular for most clinicians. I have a couple of suggestion to improve readability: 1) The review should be more illustrated. The only figure is hard to follow and located only



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at the end. Each section deserves a figure. 2) The authors left as final conclusions that the interaction between the axis and tumors may be used in the treatment but no references are provided. The authors could explore more this, perhaps adding a table.

#### INITIAL REVIEW OF THE MANUSCRIPT

##### *Google Search:*

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

##### *BPG Search:*

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

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Clinical Cases

**Manuscript NO:** 45588

**Title:** Role of the brain-gut axis in gastrointestinal cancer

**Reviewer's code:** 01221849

**Reviewer's country:** Japan

**Science editor:** Jin-Lei Wang

**Reviewer accepted review:** 2019-01-29 13:59

**Reviewer performed review:** 2019-02-06 13:59

**Review time:** 8 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 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 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

I think that the review article entitled "The role of Brain-Gut Axis in gastrointestinal cancer" is well written. The present review discussed and described the overviews of the brain-gut axis, particularly the central nervous system, sympathetic and parasympathetic nervous systems, neurotransmitters and nerve growth factors which





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are closely associated with cancerous potential and properties, tumor cell proliferation, angiogenesis, invasion, migration and metastasis, during cancer development. Minor

1. There are misspelt words in the text. The word of 'especiall' at page 6 line 14 is wrong, exactly especially. The word of 'showed' at page 7, line 3 is wrong, exactly shown. The word of 'GABRA' at page 15, line 7 is wrong, exactly GABAA. Please check them.

#### INITIAL REVIEW OF THE MANUSCRIPT

##### *Google Search:*

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- ☐ Plagiarism
- ☐ No

##### *BPG Search:*

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