

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 48781

Title: Role of ion channels in gastrointestinal cancer

Reviewer's code: 03408355

Position: Peer Reviewer

Academic degree: MD

Professional title: N/A

Reviewer's country: China

Author's country: United States

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-05-08 00:24

Reviewer performed review: 2019-05-08 02:38

Review time: 2 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 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 checked="" 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

As the paper was entitled "ion channels in GI cancers", more kinds of ion channels



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
E-mail: bpgoffice@wjgnet.com
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should be discussed here. For example, zinc transporters.

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: 48781

Title: Role of ion channels in gastrointestinal cancer

Reviewer's code: 00068720

Position: Peer Reviewer

Academic degree: MSc

Professional title: Attending Doctor, Professor

Reviewer's country: China

Author's country: United States

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-05-07 14:51

Reviewer performed review: 2019-05-10 07:22

Review time: 2 Days and 16 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 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 paper clarified the role of ion channels in GI cancers with an emphasis on the



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7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
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potential for new therapies that target them, and found that ion channels aberrant expression and/or activity can contribute to malignant transformation and tumor progression. The paper offers an interesting analysis, the innovation and findings are well emphasized. In general, the authors should address more detailed about the diagnostic and prognostic implications of ion channels in CONCLUSION or PROSPECT, especially targeted therapy should be streamlined and updated.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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- ☐ No

BPG Search:

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 48781

Title: Role of ion channels in gastrointestinal cancer

Reviewer's code: 00504391

Position: Editorial Board

Academic degree: BSc, MSc, PhD

Professional title: Professor, Research Scientist

Reviewer's country: Mexico

Author's country: United States

Reviewer chosen by: Jia-Ping Yan

Reviewer accepted review: 2019-05-06 19:48

Reviewer performed review: 2019-05-13 21:45

Review time: 7 Days and 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 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

Anderson et al. provide a very interesting and up-dated review on the expression and

potential participation of ion channels in GI cancers. The authors especially emphasize the participation of CFTR. The manuscript is well written, the topic is relevant to the field and will be of interest to the readers of the journal, only a few issues should be solved. Major comment: 1. The authors should prepare 2-3 figures showing the potential molecular mechanisms of the association of ion channels and cancer. Only as a suggestion, it may be a figure with oncogenic ion channels and the other one with channels as tumor suppressors. Another figure may focus either on CFTR or drug repurposing. Minor comments: 1. It makes more sense to place the section “Additional mechanisms of tumor suppression” immediately after the Wnt/ β -catenin signaling paragraph. 2. Page 29, last paragraph: “...it’s up-regulation is...” Should be “...its up-regulation is...”

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