



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46506

Title: Proton pump inhibitor: The dual role in gastric cancer

Reviewer’s code: 00057983

Reviewer’s country: Taiwan

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-02-20 11:54

Reviewer performed review: 2019-02-27 17:09

Review time: 7 Days and 5 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 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

The authors have made a good review about the relationship of Proton Pump Inhibitor (PPI) use with occurrence of Gastric Cancer. 1. Please summarize possible mechanisms of long-term PPI use with gastric cancer occurrence in a figure. 2. The length of manuscript is redundant. Please shorten the context.



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INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46506

Title: Proton pump inhibitor: The dual role in gastric cancer

Reviewer’s code: 02537773

Reviewer’s country: Germany

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-02-24 15:07

Reviewer performed review: 2019-02-27 21:48

Review time: 3 Days and 6 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 type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input checked="" 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

The authors aimed to summarize the data to the role of PPI in gastric carcinogenesis and show potential role of PPI in gastric cancer treatment. From one side the authors deal with arguable topic of PPI and risk of gastric cancer – where the evidence is really yet weak and no conclusion can be made other than before. And second part in similar



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fashion deals with arguable topic to the value of PPI in cancer treatment- where the evidence is solely based on the mice studies and in vitro experiments. This makes the review topic so difficult and one sided to my view. The paper could be improved by critical assessment of the evidence and careful statements avoiding direct conclusions.

1)The title is not clear and may be to offensive. Why should be PPI a sword in gastric cancer? The currently available data are to superficial and not causative. The associational link is rather weak. One study shows some difference another not. To my view PPI are far away to be called a sword in gastric cancer. 2)Citations-style: the authors cite their own work too frequently unfortunately without taking to account the existing landmark papers. Sometimes the citation even missing! 3) English needs improvement (typos, wording etc). 4) Unfortunately, the data regarding PPI and gastric cancer development is not sufficiently critical. There is not clear evidence that proposed hypothesis is true. Also in vitro data are too superficial and the study design is not applicable to draw the conclusion regarding PPI-dependent carcinogenesis. 5) Premalignant condition and not a lesion is the preferred wording of intestinal metaplasia 6) The authors focus in second part of the paper solely to the in vitro studies while leaving aside what is crucial for translational relevance (any evidence from human studies). 7) US is one of the countries with the largest use of PPI, however, the gastric cancer incidence is among the lowest. This discrepancy has not been addressed.

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46506

Title: Proton pump inhibitor: The dual role in gastric cancer

Reviewer's code: 00159592

Reviewer's country: Malaysia

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-02-20 11:42

Reviewer performed review: 2019-03-02 10:35

Review time: 9 Days and 22 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 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 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

Good and comprehensive review of the topic but English needs to be polished in certain parts as it was difficult to understand. For example, the second sentence in the Introduction: "As technical.....completely resolved"



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 46506

Title: Proton pump inhibitor: The dual role in gastric cancer

Reviewer's code: 00183086

Reviewer's country: Greece

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-02-25 08:57

Reviewer performed review: 2019-03-03 05:53

Review time: 5 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 is a very interesting study with regard to the potential contribution of Proton Pump Inhibitor to the development of gastric cancer. In my opinion, in accordance with the final conclusion of the survey, additional research is required in order to verify relevant results. Nevertheless, the article provides current evidence in an attempt to summarize



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recent literature. Therefore, the manuscript should be accepted for publication in its current form. Several grammatical errors should be corrected.

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