

PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 39030

Title: Priming the seed: How Helicobacter pylori alters the invasive properties of epithelial cells in early gastric carcinogenesis

Reviewer's code: 03551129

Reviewer's country: China

Science editor: Ze-Mao Gong

Date sent for review: 2018-03-27

Date reviewed: 2018-03-28

Review time: 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

Comments to the Authors: This review summarized how H. Pylori alters the invasive properties of epithelial cells in early gastric carcinogenesis. The authors presented the involvement of H. Pylori in the acquisition of cell invasion behavior, mainly in the

deregulation of molecules that control ECM remodeling, EMT, and cell polarity. However, writing is somewhat disorganized. 1. In the *HELICOBACTER PYLORI* part, if the authors elucidate these bacteria structures and their encoding proteins with a figure, it will help to understand the importance of this bacteria in GC. 2. The authors should add another Figure to summarize different roles of *H. pylori* in these different cellular processes, such as plasminogen activation system, matrix metalloproteinases, epithelial-to-mesenchymal transition, cell polarity alterations. This will help readers to catch up with the manuscript. 3. It needs to improve the structure of the sentences and improve English grammar and spelling throughout.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 39030

Title: Priming the seed: How Helicobacter pylori alters the invasive properties of epithelial cells in early gastric carcinogenesis

Reviewer's code: 02535288

Reviewer's country: China

Science editor: Ze-Mao Gong

Date sent for review: 2018-03-27

Date reviewed: 2018-04-01

Review time: 5 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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

This work by Drs. Molina-Castro S et al., have summarized molecules important for gastric cancer (GC) invasion and metastasis. The author try to explore the biological mechanisms underlying how and under which circumstances H. pylori alters normal

physiological processes contributed to cancer metastasis. A number of published papers have clearly indicated various molecules that are involved in the processes of metastasis, importantly; EMT and ECM related molecules in these processes. This work is therefore interesting, novel with merit especially related to H. pylori pathogenesis. The manuscript appears well organized and written in English, but also appears missing in-depth analysis of the selected molecules and inner link between the metastasis and mechanisms, of which important aspects are roles of epigenetics, stem cell, E-cadherin etc. A few cartoons might also be helpful, and reference appears take a too many pages. The work may require more in-depth revision to strengthen the claim, and importantly, point out directions for future investigation to guide readers and researchers. Authors are encouraged to revise and add more input to make the manuscript more attractive and exciting.

INITIAL REVIEW OF THE MANUSCRIPT

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- ☐ No

BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastrointestinal Oncology

Manuscript NO: 39030

Title: Priming the seed: How Helicobacter pylori alters the invasive properties of epithelial cells in early gastric carcinogenesis

Reviewer's code: 00058401

Reviewer's country: Brazil

Science editor: Ze-Mao Gong

Date sent for review: 2018-03-27

Date reviewed: 2018-04-03

Review time: 7 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 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
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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

We criticized no reference to hypergastrinemia or the use of PPI and H2-histamine blocker in the review

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