

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 47780

**Title:** Proton pump inhibitor use increases mortality and hepatic decompensation in liver cirrhosis

**Reviewer's code:** 01047363

**Reviewer's country:** Switzerland

**Science editor:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-05-10 11:32

**Reviewer performed review:** 2019-05-13 13:33

**Review time:** 3 Days and 2 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 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 retrospective study examined the role of prolonged exposure to PPI in the risk of death/liver transplant in patient with decompensated cirrhosis. Basically, the authors report an increased mortality rate in those treated with PPI for a period exceeding 3

months, having performed a statistical analysis that used propensity scores and Cox model. Data are quite convincing and tend to confirm the results of previous studies. As pointed out by the authors, there are limitations which are inherent to a registry study. However, some important informations are lacking that would be of importance to support the results. 1. We expect long term exposure to PPI to increase dysbiosis, thus leading to increased risk of infections. Were « PPI users » also more « antibiotic users » ? 2. Cause of death must be given 3. It is not clear for me why non diabetic were at increased risk of death..!? 4. Authors included only patients with decompensated cirrhosis: however, the mean MELD is very low in these patients (~11). This is consistent with ascites as a major cause of decompensation. However, there are very few SBP (that we would expect as a complications of long term PPI exposure...) Any explanations ?

## 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:** 47780

**Title:** Proton pump inhibitor use increases mortality and hepatic decompensation in liver cirrhosis

**Reviewer's code:** 00761439

**Reviewer's country:** Greece

**Science editor:** Ruo-Yu Ma

**Reviewer accepted review:** 2019-05-13 13:41

**Reviewer performed review:** 2019-05-17 17:25

**Review time:** 4 Days and 3 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 type="checkbox"/> Minor revision	topic of the manuscript:
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		<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

This is an interesting paper but with some limitations (see comments)

### INITIAL REVIEW OF THE MANUSCRIPT



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- ☐ The same title
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- ☐ Y] No

*BPG Search:*

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ Y] No