

## PEER-REVIEW REPORT

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

**Manuscript NO:** 52704

**Title:** The effect of prolong omeprazole administration on segmental intestinal Mg<sup>2+</sup> absorption in male Sprague-Dawley rats

**Reviewer's code:** 02542970

**Position:** Peer Reviewer

**Academic degree:** MD, PhD

**Professional title:** Doctor

**Reviewer's country:** China

**Author's country:** Thailand

**Manuscript submission date:** 2019-11-18

**Reviewer chosen by:** Jie Wang

**Reviewer accepted review:** 2019-12-18 15:04

**Reviewer performed review:** 2019-12-18 15:10

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



**Baishideng  
Publishing  
Group**

7041 Koll Center Parkway, Suite  
160, Pleasanton, CA 94566, USA  
**Telephone:** +1-925-399-1568  
**E-mail:** bpgoffice@wjgnet.com  
**https://**www.wjgnet.com

#### **SPECIFIC COMMENTS TO AUTHORS**

this paper study the effect of prolong omeprazole administration on segmental intestinal Mg<sup>2+</sup> absorption in male Sprague-Dawley rats. it provided new information for the use of PPI

#### **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

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**Manuscript NO:** 52704

**Title:** The effect of prolong omeprazole administration on segmental intestinal Mg<sup>2+</sup> absorption in male Sprague-Dawley rats

**Reviewer's code:** 00189327

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Academic Research, Professor

**Reviewer's country:** Argentina

**Author's country:** Thailand

**Manuscript submission date:** 2019-11-18

**Reviewer chosen by:** Ze-Mao Gong

**Reviewer accepted review:** 2020-01-07 08:45

**Reviewer performed review:** 2020-01-12 15:05

**Review time:** 5 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 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**

This is an interesting manuscript dealing with the rat intestinal Mg<sup>2+</sup> transport under treatment of an inhibitor of proton pump (omeprazole) . The manuscript is well, concisely and coherently organized and presented. The title reflects the main subject of the ms, as well as the abstract. The ms describes adequately the background and presents the significance of the study . Methods and results are well described. Figures and tables are of appropriate quality. Minor English errors should be corrected. My only concern with this study is why the authors have injected subcutaneously the omeprazole since this drug is usually used per os. Discussion should be enlarged to explain better the data from a mechanistical point of view.

## **INITIAL REVIEW OF THE MANUSCRIPT**

### ***Google Search:***

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

### ***BPG Search:***

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