

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39465

Title: High expression of type I inositol 1,4,5-trisphosphate receptor in the kidney of rats with hepatorenal syndrome

Reviewer's code: 00503175

Reviewer's country: Croatia

Science editor: Ze-Mao Gong

Date sent for review: 2018-05-04

Date reviewed: 2018-05-05

Review time: 1 Day

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 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 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 article is very interesting. The authors presented expression of IP3RI protein and mRNA in rats with experimentally induced hepatorenal syndrome (HRS). They found that both targeting protein and mRNA are elevated. Both information supported



**Baishideng
Publishing
Group**

7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
https:// www.wjgnet.com

hypotheses that IP3RI has potential role in the developing of the HRS, specially with their influence on the constriction of renal vasculature. According to me this article is adequate for publishing.

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: 39465

Title: High expression of type I inositol 1,4,5-trisphosphate receptor in the kidney of rats with hepatorenal syndrome

Reviewer's code: 02942798

Reviewer's country: Slovakia

Science editor: Ze-Mao Gong

Date sent for review: 2018-05-24

Date reviewed: 2018-06-01

Review time: 8 Days

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 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

SPECIFIC COMMENTS TO AUTHORS

Dear sir, thank you to select me to review Wang JB et al. High expression of type I inositol 1,4,5-trisphosphate receptor in the kidney of rats with hepatorenal syndrome. The aim of the study was to detect the expression of type 1 inositol 1,4,5-trisphosphate



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Telephone: +1-925-223-8242
Fax: +1-925-223-8243
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https:// www.wjgnet.com

receptor (IP3RI) in the kidney of rats with hepatorenal syndrome (HRS). IP3RI is associated with function of vascular smooth muscle cells (VSMCs) and glomerular mesangial cells (GMCs). IP3RI protein expression began to rise in HRS rats at 3 h ($P < 0.05$) and peaked at 12 h ($P < 0.01$). Real-time PCR demonstrated that IP3RI mRNA expression began to rise in HRS rats at 3 h ($P < 0.05$) and peaked at 9 h ($P < 0.01$). IP3RI protein expression is increased in the kidney of HRS rats, and may be regulated at the transcriptional level. Experiment is well done, statistical analysis, presentation of the results, discussion and references are adequate. Only one minor change is needed: Please replace $P = 0.000$ by $p < 0.001$. My final decision is acceptance (general priority).

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- ☐ The same title
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- ☐ Plagiarism
- ☒ No

BPG Search:

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☒ No