

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47581

Title: Bone morphogenetic protein-7 represses hepatic stellate cell activation and liver fibrosis via regulation of TGF- β /Smad signaling pathway

Reviewer's code: 01435993

Reviewer's country: Canada

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-05-29 15:51

Reviewer performed review: 2019-05-31 17:43

Review time: 2 Days and 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 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 checked="" 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

General comment: The manuscript entitled "Bone morphogenetic protein-7 represses hepatic stellate cell activation and liver fibrosis via regulation of TGF- β /Smad signaling pathway" investigated a role of BMP7 in liver fibrosis. Although BMP7 has been

investigated in liver fibrosis by several groups, this study indicated that high dose of BMP7 at 100ng/ml above can antagonize TGF- β 1 activity in both hepatic stellate cells in vitro and liver fibrosis in vivo. It can also antagonize phosphorylation of Smad3 and p38 in hepatic stellate cells. So their conclusion of BMP-7 role in liver fibrosis is to regulate TGF- β /Smad signaling pathway. Specific comments: 1. The main issue of this manuscript from this reviewer is how can they approve that intraperitoneal injection of BMP-7 can reach to the liver. Since model of liver fibrosis is created by injection CCL4 in peritoneal cavity, a lot of damage was produced and it is difficult for drug to be absorbed into blood. 2. There is a group who used adenovirus to deliver BMP-7 in liver fibrosis model in rat: L Zhong, X Wang, S Wang, L Yang "The anti-fibrotic effect of bone morphogenic protein-7 (BMP-7) on liver fibrosis" International journal of Medical Sciences, 2013. It appears that the authors did not reference this article.

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: 47581

Title: Bone morphogenetic protein-7 represses hepatic stellate cell activation and liver fibrosis via regulation of TGF- β /Smad signaling pathway

Reviewer's code: 02860849

Reviewer's country: Russia

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-05-30 12:45

Reviewer performed review: 2019-06-02 23:41

Review time: 3 Days and 10 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 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

The paper is a very interesting, it has a logical aim, results and discussion and it is written in a good language. But I can offer to read it carefully once more and to remove some small typos and mistakes in the text.



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
<https://www.wjgnet.com>

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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- ☐ Plagiarism
- ☐ No