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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
Manuscript NO: 37076
Title: Metformin attenuates the motility and contraction of HSC, and fibrogenic response of HSC in vivo and in vitro via activating AMP-Activated Protein Kinase
Reviewer's code: 02998132
Reviewer's country: Japan
Science editor: Ze-Mao Gong
Date sent for review: 2017-11-21
Date reviewed: 2017-11-29
Review time: 7 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[ ] Accept
[Y] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[Y] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This is an interesting manuscript about the effect of metformin on activated HSCs and the possible signaling pathways. In this manuscript, the fibrotic mouse model was induced by intraperitoneal injection with CCl4 and treated with or without metformin. The level of fibrosis was detected by Hematoxylin-Eosin stain and Sirus-Red stain. Expression of α-SMA, Fibronectin and VEGF was measured by immunohistochemistry. The authors found that the mice developed obvious liver fibrosis after intraperitoneal injection with CCl4 for 6 weeks. Metformin decreased the activation of HSCs, reduced the deposition of ECM and inhibited angiogenesis in CCl4 treated mice. Metformin inhibited the activation of HSCs in a in a dose-dependent manner. They conclude that the metformin attenuates the fibrogenic response of HSCs in vivo and in vitro, so it can be used in the treatment of chronic liver diseases. Over all, this study is well designed

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and the results are interesting. However, the manuscript need an editing of the English. After this, it can be accepted for publication.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology
Manuscript NO: 37076
Title: Metformin attenuates the motility and contraction of HSC, and fibrogenic response of HSC in vivo and in vitro via activating AMP-Activated Protein Kinase
Reviewer's code: 03016160
Reviewer's country: Pakistan
Science editor: Ze-Mao Gong
Date sent for review: 2017-11-21
Date reviewed: 2017-12-01
Review time: 9 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	Google Search:	[Y] Accept
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] The same title	[ ] High priority for publication
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Duplicate publication	[ ] Rejection
[ ] Grade D: Fair	[ ] Grade D: Rejected	[ ] Plagiarism	[ ] Minor revision
[ ] Grade E: Poor		[Y] No	[ ] Major revision
		BPG Search:	
		[ ] The same title	
		[ ] Duplicate publication	
		[ ] Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

Very interesting study. No comments. Some minor language mistakes should be revised.