

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39354

Title: Downregulation of Hes1 Expression in Experimental Biliary Atresia and its Effects on Bile Duct Structure

Reviewer's code: 03011144

Reviewer's country: India

Science editor: Ze-Mao Gong

Date sent for review: 2018-04-23

Date reviewed: 2018-04-25

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 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 checked="" 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

1. Title explicitly implies that the study is based on animal model, although human sample analysis is also included in the study. 2. Figures and tables are included in the body of the manuscript, whereas the legends are placed at the end of the manuscript. 3.



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Discussion is too short, with elaborate description of conduct of the study . 4. Data on the animal and human samples not clearly depicted on a table. How many animals were used in the study? 5. References are not in the same format. (J Pathol vs The Journal of Clinical Investigation) 6. Limitations of the study are not listed. 7. Future directions of the study can be identified and included. 8. Use of high dose Pentobarbitone [affects liver enzymes, Br.J. Anaesth. (1989), 62, 311-315] can be a confounding factor. 9. Why were human BA samples compared with Choledochal cyst samples instead of normal liver samples?

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: 39354

Title: Downregulation of Hes1 Expression in Experimental Biliary Atresia and its Effects on Bile Duct Structure

Reviewer's code: 00506058

Reviewer's country: Egypt

Science editor: Ze-Mao Gong

Date sent for review: 2018-04-23

Date reviewed: 2018-05-01

Review time: 8 Days

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

SPECIFIC COMMENTS TO AUTHORS

Reviewer report Manuscript title: "Downregulation of Hes1 Expression in Experimental Biliary Atresia and its Effects on Bile Duct Structure" In this study, the authors investigated the expression and function of notch signaling target gene Hes1 in a mouse



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biliary atresia model induced by rhesus rotavirus. The study suggests that Hes1 might contribute the maturation and cellular structure organization of biliary epithelial cells. The study is well designed, methods are accurate and data clearly presented. Comments In the abstract the methods section needs to be re-written and human data added

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

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- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 39354

Title: Downregulation of Hes1 Expression in Experimental Biliary Atresia and its Effects on Bile Duct Structure

Reviewer's code: 00058405

Reviewer's country: Brazil

Science editor: Ze-Mao Gong

Date sent for review: 2018-04-23

Date reviewed: 2018-05-07

Review time: 13 Days

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

Zhang and co-workers investigated the expression and function of notch signaling target gene Hes1 in a rhesus rotavirus-induced mouse biliary atresia model. Authors found that Hes1 might contribute to the maturation and cellular structure organization of



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biliary epithelial cells. Comments and suggestions: The article is of interest for research field. Experiments are very well reported. Results are clear and support the main conclusions. However, I suggest the authors to improve the Discussion. The Discussion is very short and somewhat incomplete. The authors should discuss the potential clinical implications of their findings, the limitations of their study and also should improve the discussion regarding the pathways of bile structure changes elicited by down regulation of Hes1 expression.

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