



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 43017

Title: Alcoholic liver disease: Utility of animal models

Reviewer's code: 03538879

Reviewer's country: China

Science editor: Ruo-Yu Ma

Date sent for review: 2018-10-19

Date reviewed: 2018-10-23

Review time: 4 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 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 checked="" 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

Alcoholic liver disease (ALD) is a major cause of acute and chronic liver injury. The author summarized the current incidence, physiopathology and modeling of ALD, and hope to provide an overview of the pros and cons of experimental models of ALD to study ALD, and the advances and implementation of new animal models that show



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great potential. The review is comprehensive, while there are still some aspects which need to be improved. 1. In the “Introduction” part, it seems like a little long that the authors described most of the prevalence of ALD. Or the author may increase a part of “the prevalence of ALD” to describe it in detail. Nevertheless, in this “Introduction” part, the author should precisely illustrate the purpose of the review in order to let readers understand the aim of the whole review. 2. Actually, the author major focused on the models of ALD, thus I think the whole manuscript should be revised carefully and delete some descriptions especially about the incidence, physiopathology of ALD. 3. In page 8, “PATHOPHYSIOLOGY OF ALCOHOLIC LIVER DISEASE (ALD)” should be changed into “PATHOPHYSIOLOGY OF ALD”. 4. In “Table II: Comparison of experimental models of alcoholic liver disease”, since the authors summarized the characteristics of different experimental models of ALD, the information such as the mouse or rat, related references, advantages and disadvantages should be included better. 5. In the references (DOI 10.1002/hep.27036, 10.1038/nprot.2013.032), the authors described a method of ALD with chronic-binge ethanol consumption model, and further to induce liver fibrosis, mice were either fed a liquid diet containing 4% ethanol or pair-fed a control diet, and mice were injected (intraperitoneally, two times per week) with 0.1 mL/kg body weight of CCl₄ for 8 weeks. If it is possible, the present review can summarize the characteristics of related ALD models carefully in the field of ALD.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- [] The same title
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- [] Plagiarism
- [Y] No



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Name of journal: World Journal of Gastroenterology

Manuscript NO: 43017

Title: Alcoholic liver disease: Utility of animal models

Reviewer's code: 00034151

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Science editor: Ruo-Yu Ma

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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:
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<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
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		<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 manuscript entitled "Alcoholic liver disease: Incidence, pathophysiology and modeling" was an informative one regarding animal models of ALD. However, separate and in-depth review for chronic and binge ethanol feeding model (NIAAA model) is required.



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