

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 38962

Title: Apoptosis and non-alcoholic fatty liver diseases

Reviewer's code: 00503536

Reviewer's country: Japan

Science editor: Ze-Mao Gong

Date sent for review: 2018-04-03

Date reviewed: 2018-04-08

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 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 type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The review manuscript written by Kanda T et al summarizes the molecular mechanisms of apoptosis that could be involved in the pathogenesis of NAFLD or NASH. The authors also discuss the mechanisms in association with immune cells, oxidative stress, ER stress, autophagy or metabolism. The review is well written and comprehensively



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summarizes the current understanding of the molecular mechanisms involved in the pathogenesis of NAFLD or NASH. The only one point that need to be addressed is the differences between NAFLD and NASH, which is an important issue for the management of those patients, and for the understanding of the mechanism critically related to the progression to NASH.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 38962

Title: Apoptosis and non-alcoholic fatty liver diseases

Reviewer's code: 03646639

Reviewer's country: Japan

Science editor: Ze-Mao Gong

Date sent for review: 2018-05-11

Date reviewed: 2018-05-16

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 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

Kanda et al reviewed the importance of cell death in NAFLD and NASH. Clinical trials for the treatment of NASH targeting apoptosis are being performed. This is well written paper, No seriously grammar mistakes were found and no statistical methods were observed. I think this article can be accepted.



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 38962

Title: Apoptosis and non-alcoholic fatty liver diseases

Reviewer's code: 02447091

Reviewer's country: Japan

Science editor: Ze-Mao Gong

Date sent for review: 2018-05-11

Date reviewed: 2018-05-18

Review time: 6 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

Tatsuo Kanda et al. reviewed apoptosis and non-alcoholic fatty liver diseases (NAFLD) in this manuscript. This work is worth for possible publication in WJG if some major and minor comments listed below could be properly responded. Major comments. 1.

Page 6, lines 2-4. Apoptosis in the pathogenesis of alcoholic hepatitis is also

important in some literatures, an example of those is listed below. Thus, the authors should cite such a reference and change the sentences in this part. Takahashi T, So-Wan T, Kamimura T, Asakura. Infiltrating polymorphonuclear leukocytes and apoptotic bodies derived from hepatocytes but not from ballooning hepatocytes containing Mallory bodies show nuclear DNA fragmentation in alcoholic hepatitis. Alcoholism: Clin Exp Res 2000; 24: 68S-73S. Minor comments. 1. Page 5, lines 8. ... and NAFLD-HCC are ... should be ... and NAFLD-HCC (hepatocellular carcinoma) are... 2. Page 5, lines 9. ... that hepatocellular carcinoma (HCC) should be ... that HCC can... 3. Page 9, lines 21. ...SpI, which results in ... should be ...SpI, which results in ... 4. Page 16, lines 2. It has also been reported ... should be It has also been reported ... 5. Page 16, lines 6. ... apoptosis[67]. should be ... apoptosis [67]. 6. Page 18, lines 12. ... to cell autophagy may inhibit ... should be ... to cell autophagy and may inhibit ... 7. Page 18, lines 24. ... SIRT3 negative regulates ... should be ... SIRT3 negatively regulates ... 8. Page 20, lines 8. ... FGF-21 were founded to be ... should be ... FGF-21 were found to be. 9. Page 20, lines 10. ... study founded that... should be ... study found that. 10. Page 21, lines 24. These complex liquids are ... should be These complex lipids are. 11. Page 23, lines 6. ... (LPC)-induced ... should be ...(LPC) induced ... 12. Page 47. Table 1, lines 30. (MMO should be (MMO).

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