



PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 49924

Title: Hepatic senescence, the good and the bad

Reviewer's code: 02566971

Reviewer's country: China

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-06-27 02:23

Reviewer performed review: 2019-07-02 08:12

Review time: 5 Days and 5 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 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 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

Overall this is a well written review, and the title is interesting and attracting. However the authors use a large amount of space to address the characteristics of senescence and associated signaling pathways, which have been reviewed multiple times elsewhere. The article will be better if it can be arranged reasonably.



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INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- The same title
- Duplicate publication
- Plagiarism
- No

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 49924

Title: Hepatic senescence, the good and the bad

Reviewer's code: 00255973

Reviewer's country: Canada

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-06-26 13:37

Reviewer performed review: 2019-07-08 19:22

Review time: 12 Days and 5 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 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

The manuscript gives a broad overview of cellular senescence and its implications to liver diseases. This review gives a brief summary of the current status of senescence research in hepatocytes, cholangiocytes and stellate cells. The manuscript is clearly written and is highly readable. A few spelling mistakes need to be corrected: Abstract:



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Change to: Once becoming senescent, the cell stops dividing permanently but remains metabolically active. Age 8: ...CxCL1, CxCL2, CxCL3 ect. Change to: CXCL1, CXCL2, CXCL3 etc. Page 9: Change to: The NOTCH1 was shown to be upregulated in cells undergoing oncogene-induced senescence (OIS), ... change to: But there are key questions that remain to be addressed: 1) which factor(s)... The integrity of the nuclear envelope is disrupted...and upregulate SASP expression via inducing type-I interferons (IFN-I). Page 18: change to: Hepatocellular fibrosis often results from the excessive deposition of ECM... Change to: ...ROS, which may lead to senescence in HSC but the underlying mechanism... Page 19: change to ... important insight to fight against hepatic inflammation, fibrosis or cancer...

INITIAL REVIEW OF THE MANUSCRIPT

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