

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47378

Title: Bioartificial liver support systems for acute liver failure: Systematic review and meta-analysis of the clinical and preclinical literatures

Reviewer's code: 00227359

Reviewer's country: Turkey

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-20 04:37

Reviewer performed review: 2019-03-20 04:56

Review time: 1 Hour

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:
<input checked="" type="checkbox"/> Grade B: Very good	<input 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

Please clearly pointing out the searching key words. Was the study registered to any recording database?



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INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

- ☐ The same title
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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47378

Title: Bioartificial liver support systems for acute liver failure: Systematic review and meta-analysis of the clinical and preclinical literatures

Reviewer's code: 02544416

Reviewer's country: Serbia

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-20 09:12

Reviewer performed review: 2019-03-20 09:58

Review time: 1 Hour

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input checked="" 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 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 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

The topic is adequately evaluated and the results are correctly presented.

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 47378

Title: Bioartificial liver support systems for acute liver failure: Systematic review and meta-analysis of the clinical and preclinical literatures

Reviewer's code: 03727922

Reviewer's country: Brazil

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-20 12:53

Reviewer performed review: 2019-03-24 17:03

Review time: 4 Days and 4 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 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 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

Very interesting manuscript. However, I suggest some important improvements in this systematic review. Firstly, you should use and describe better the heterogeneity and sensitivity analysis in these studies. Furthermore, to a better evaluation of the studies



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and the level of evidence you need to use some scores or scale, as New Castle score (Ottawa Quality Assessment Cohort Studies) for nonrandomized clinical trials and Jadad Scale for randomized clinical trials. Moreover, you must need to establish de Mesh-terms and inform the correct search done. I suggest you to register this systematic review in the International Database of Prospectively Registered Systematic Reviews. Finally, I recommend you to establish the scientific hypothesis and clearly describe how the search was done. The search you need to establish the patient, intervention, comparison, or control, outcome structure.

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Name of journal: World Journal of Gastroenterology

Manuscript NO: 47378

Title: Bioartificial liver support systems for acute liver failure: Systematic review and meta-analysis of the clinical and preclinical literatures

Reviewer's code: 00005009

Reviewer's country: United Kingdom

Science editor: Ruo-Yu Ma

Reviewer accepted review: 2019-03-20 16:48

Reviewer performed review: 2019-03-25 11:05

Review time: 4 Days and 18 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
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		<input checked="" 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

No comments to the authors.

INITIAL REVIEW OF THE MANUSCRIPT



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