



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 45539

Title: Issues and opportunities of stem cell therapy in autoimmune diseases

Reviewer's code: 02446101

Reviewer's country: China

Science editor: Jin-Lei Wang

Date sent for review: 2019-01-04

Date reviewed: 2019-01-04

Review time: 2 Hours

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 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

This manuscript is comprehensive and detailed.

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 45539

Title: Issues and opportunities of stem cell therapy in autoimmune diseases

Reviewer's code: 00609371

Reviewer's country: United States

Science editor: Jin-Lei Wang

Date sent for review: 2019-01-04

Date reviewed: 2019-01-04

Review time: 11 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 type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input checked="" 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

To be honest, this is not a well-focused review, even though the selected topic of this article is interesting. The major concerns: 1) This review is out of the focus. The title of this review is "Issues and opportunities of stem cell therapy in autoimmune diseases"; therefore we expect that the two focuses of this review are supposed to be the stem cell



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therapy and autoimmune diseases. Unfortunately, this seems not the case! Instead, the authors diffusely and superficially covered many types of stem cells (even including a fairly long description of cancer stem cells, which definitely do not belong here), and then they moved on to the “Therapeutic use of stem cells”, which supposed to be one of the main focuses of this article. However, the description of this part is very vague and shallow. 2) The framework and the logic behind the article are confusing. For example, the authors introduced many types of stem cells in the first part of the review but forgot most of them in the second part. Instead, they focused on hematopoietic stem cells, which had not been mentioned in the first part of the review. 3) I expect to see in-depth discussion about the challenges and opportunities of stem cell treatment in autoimmune diseases, but I was disappointed. The minor concerns: 1) Table 1 is uninformative 2) Many terms used in this article are inaccurate, for example, “inner node of blastocyst”. 3) English language should be further polished, even though this article has been language edited (at least the Non-Native Speakers of English Editing Certificate has been provided).

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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 45539

Title: Issues and opportunities of stem cell therapy in autoimmune diseases

Reviewer's code: 03370303

Reviewer's country: Japan

Science editor: Jin-Lei Wang

Date sent for review: 2019-01-04

Date reviewed: 2019-01-06

Review time: 2 Hours, 2 Days

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
<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

This minireview is well written, compactly summarizing the current trials of stem cell therapy for autoimmune diseases. Although the trials are still in early stages, this review will contribute to deepening the understanding of the possibility of stem cell therapy for the treatment of autoimmune diseases. Minor concerns: In page 7, line 25, the comma



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before the word “however” should be replaced by semicolon. (i.e. “ ... direct cell replacement, however,...” should be corrected as “ ... direct cell replacement; however,...”).

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