



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 46707

Title: Moving forward on the pathway of cell-based therapies in ischemic heart disease and heart failure – time for new recommendations?

Reviewer's code: 02398061

Reviewer's country: United States

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-02-23 00:41

Reviewer performed review: 2019-03-02 00:12

Review time: 6 Days and 23 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 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

This is a short and concise editorial on the current standing of stem cell therapy for ischemic heart disease. The text provides a short and critical summary of consensus and position papers in relation to past and present clinical trials, and their implications on



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7041 Koll Center Parkway, Suite
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moving this field forward. The text is informative for the interested reader to obtain a quick overview on this subject and provides additional literature resources for continued education.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

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

BPG Search:

- The same title
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- Plagiarism
- [Y] No



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 46707

Title: Moving forward on the pathway of cell-based therapies in ischemic heart disease and heart failure – time for new recommendations?

Reviewer's code: 03671529

Reviewer's country: Russia

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-03-26 05:48

Reviewer performed review: 2019-03-26 07:46

Review time: 1 Hour

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 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

What is known about the use of iPS to stimulate the regeneration of myocard in the clinic and experiment?



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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 46707

Title: Moving forward on the pathway of cell-based therapies in ischemic heart disease and heart failure – time for new recommendations?

Reviewer's code: 03471268

Reviewer's country: Japan

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-03-27 00:50

Reviewer performed review: 2019-04-01 01:28

Review time: 5 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 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 type="checkbox"/> General
			<input checked="" type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

It is a good structured for the topic in the outline. Relatively to understand easily and be helpful for readers. However, it will be perfect if it is included with some updated progress, espacially in future persfective of new trend, such as direct cellular



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reprogramming in situ or iPSC derived cell therapy.

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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 46707

Title: Moving forward on the pathway of cell-based therapies in ischemic heart disease and heart failure – time for new recommendations?

Reviewer’s code: 00504125

Reviewer’s country: Brazil

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-03-26 13:28

Reviewer performed review: 2019-04-01 22:32

Review time: 6 Days and 9 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

The author discusses the proposed topic of the "state of the art of cellular therapy in the myocardium" after 20 years by making a brief review of the clinical trials and their results. The author concludes his objective.



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BPG Search:

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- [Y] No



PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 46707

Title: Moving forward on the pathway of cell-based therapies in ischemic heart disease and heart failure – time for new recommendations?

Reviewer's code: 03086928

Reviewer's country: Spain

Science editor: Fang-Fang Ji

Reviewer accepted review: 2019-03-26 08:36

Reviewer performed review: 2019-04-09 10:43

Review time: 14 Days and 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 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

The Editorial written by Miruna Mihaela Micheu has an outstanding quality and deals with an interesting subject. Stem-cell based therapies are currently in the spotlight and discussing the advances in the field over the last few years will be very interesting for



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7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
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the scientific community. If I have to make one criticism to this work it would be the lack of precise data in the overall ESC recommendations or new strategies used presently. From my point of view, the last part of the manuscript could be improved by briefly and directly making these data available for the readers.

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