



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 35835

**Title:** Pursuing meaningful end-points for stem cell therapy assessment in ischemic cardiac disease

**Reviewer's code:** 02446101

**Reviewer's country:** China

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-08-26

**Date reviewed:** 2017-08-27

**Review time:** 1 Day

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [ Y ] Accept
<input type="checkbox"/> [ Y ] Grade B: Very good	<input type="checkbox"/> [ Y ] Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> [ ] High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> [ ] Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> Grade E: Poor		[ Y ] No	<input type="checkbox"/> [ ] Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[ Y ] No	

**COMMENTS TO AUTHORS**

This manuscript is very interesting and useful review, which provide a lot of new information to us. I'm sure it will help the readers to further understand the progress in this field. So, acceptance should be recommended.



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 35835

**Title:** Pursuing meaningful end-points for stem cell therapy assessment in ischemic cardiac disease

**Reviewer’s code:** 02446280

**Reviewer’s country:** Russia

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-08-26

**Date reviewed:** 2017-09-05

**Review time:** 9 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

**COMMENTS TO AUTHORS**

The manuscript entitled “Pursuing meaningful end-points for stem cell therapy assessment in ischemic cardiac disease” by Dorobantu M et al addresses very important topic in stem cells therapeutic application, particularly in ischemic cardiac disease treatment. The results of clinical trials are nor very impressive although SCT procedure is somewhat time and labor consuming. Indeed, clearly beneficial for patients end-points should be elaborated, however extremely limited information on scientific basis of bone marrow cells utility for cardiac regeneration multiplies end-points for various starting points of cells isolation and application. Indeed, development of cell labeling techniques for their safe and efficient visualization in humans in combination with functional tests and QOL will provide more reliable results. Paper is well written. G-CSF indicated on p5 as a growth-colony stimulating factor is a granulocyte colony stimulating factor. I would



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recommend this paper for publication.



**PEER-REVIEW REPORT**

**Name of journal:** World Journal of Stem Cells

**Manuscript NO:** 35835

**Title:** Pursuing meaningful end-points for stem cell therapy assessment in ischemic cardiac disease

**Reviewer's code:** 00573611

**Reviewer's country:** Taiwan

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2017-09-20

**Date reviewed:** 2017-09-24

**Review time:** 3 Days

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [ Y ] Accept
<input type="checkbox"/> [ Y ] Grade B: Very good	<input type="checkbox"/> [ Y ] Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> [ ] High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> [ ] Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> [ ] Minor revision
<input type="checkbox"/> Grade E: Poor		[ Y ] No	<input type="checkbox"/> [ ] Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[ Y ] No	

**COMMENTS TO AUTHORS**

In this review article, the authors reviewed and discussed the current end-points, but also novel parameters investigating molecular pathways and new imaging methods with labelled cells genetically modified, disclosing high heterogeneity in stem cell therapy efficacy assessment. They suggested that stem cell therapy is characterized by high heterogeneity not only in preparation, administration and type of cells, but also in quantification of therapy effects. This is an interesting review article. The manuscript is well-written. The reviewer has no concerns for this manuscript.