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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 23211

Title: Stem cells sources for intervertebral disc regeneration

Reviewer's code: 02934648

Reviewer's country: Switzerland

Science editor: Shui Qiu

Date sent for review: 2015-11-04 08:57

Date reviewed: 2015-11-11 00:31

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 checked="" type="checkbox"/> Grade B: Very good	<input checked="" 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"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> [] Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> [Y] No	<input type="checkbox"/> [] Minor revision
		BPG Search:	<input type="checkbox"/> [] Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> [Y] No	

COMMENTS TO AUTHORS

This review is well written and summarizes well the current literature on stem cell approaches to regenerate the intervertebral disc. The English language is fine. The table 1 is fine. Possibly an overview picture summarizing the different stem cell approaches would be of value for the reader to get a quicker grasp of what is going on in the field. page 30 last line, define H&E staining. page 33 line 4 correct thermoversible to thermoreversible. page 33 line 6: throughout the MS, write out numbers until twelve and use number >13



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 23211

Title: Stem cells sources for intervertebral disc regeneration

Reviewer's code: 00547092

Reviewer's country: Taiwan

Science editor: Shui Qiu

Date sent for review: 2015-11-04 08:57

Date reviewed: 2015-11-13 14:42

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

COMMENTS TO AUTHORS

The authors tried to overview the literatures discussing the current status of the different stem cell types in cell-based therapy for disc regeneration. The overall structure of this manuscript is well-organized and easy to understand. The various types of stem cells were detailedly described how to regenerate disc from each references. While introducing disc regeneration from each stem cell types, a conclusion for how the differences of their therapeutic efficacies among these stem cells should be given. The advantages and disadvantages about their treatments are recommended to be discussed. In p.28, what's the difference of "DISC STEM CELLS" from disc progenitors?