

## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 14409

**Title:** Current focus of Stem cell application in retinal repair\_

**Reviewer code:** 00505209

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-10-03 18:45

**Date reviewed:** 2014-10-15 05:23

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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 checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

## COMMENTS TO AUTHORS

However this manuscript is a valuable summary of potential Stem cell application in retinal repair and would be of interest if published, it needs a major revision before the publication process. The authors should consider to provide the readers with any graphs of photos illustrating those biological mechanisms in order to lift the value of the manuscript. The text should be also revised by the native speaker to correct all language and grammar errors that still exist. Finally, perhaps a pedantic point: glaucoma affects retinal ganglion cells and their axons, but "glaucoma" is not a retinal disease, as well as non-arteritic anterior ischemic optic neuropathy. In my opinion the authors should clarify it to the readers.

## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 14409

**Title:** Current focus of Stem cell application in retinal repair\_

**Reviewer code:** 02446120

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-10-03 18:45

**Date reviewed:** 2014-10-09 06:05

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existing	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input checked="" type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

## COMMENTS TO AUTHORS

The review is interesting and the information could be useful for those who plan to use stem cells to restore the structure and function of the retina. May main concerns are indicated below: 1) The advantages and disadvantages of the different approaches to use stem cells are conveniently summarized through the manuscript; however, an important issue that has not been discussed is the fact that most of these possible therapies are intended to replace retinal cells that disappeared by apoptosis. The authors point out that those treatments using MSCs may be also useful as neuroprotective agents, but other than that, the use of stem cells, would not prevent apoptotic progression (the main cause of these diseases). Therefore, it is important that the authors include a paragraph, in the conclusions, indicating that this is an important and, still, unsolved problem. 2) There are too many spelling and syntax errors. It should be necessary that the authors make a full revision of the text



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### ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 14409

**Title:** Current focus of Stem cell application in retinal repair\_

**Reviewer code:** 02446531

**Science editor:** Xue-Mei Gong

**Date sent for review:** 2014-10-03 18:45

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CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existing	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

### COMMENTS TO AUTHORS

I suggest you to add a separate section on proposed routes of administration of these 03 types of stem cells, to make the article interesting to clinicians.