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## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 12817

**Title:** Augmenting peripheral nerve regeneration using stem cells: a review of current opinion

**Reviewer code:** 02104609

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-07-27 23:24

**Date reviewed:** 2014-07-28 22:46

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 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 type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

### COMMENTS TO AUTHORS

This is a nice review article, which should be published in WJSC.



**ESPS PEER REVIEW REPORT**

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

**ESPS manuscript NO:** 12817

**Title:** Augmenting peripheral nerve regeneration using stem cells: a review of current opinion

**Reviewer code:** 00505755

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-07-27 23:24

**Date reviewed:** 2014-08-01 09:04

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 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 type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

**COMMENTS TO AUTHORS**

General comments (1) The importance of the research and the significance of the research contents This research describing about nerve regeneration and their source is of important, since urgent needs of precise insights increase upon recent advances in regenerative medicine. This article describes mainly about nerve regeneration via Schwann cell increased by stem cells. (2) The novelty and innovation of the research I think that the review article is not much applicable to this question. (3) Presentation and readability of the manuscript Good. (4) Ethics of the research N/A Specific comments Title: It accurately reflects the major topic and contents of the study. Abstract: It describes about the aim of the research to review current opinions on the augmentation of peripheral nerve regeneration using stem cells. Material and methods: N/A Main text: Please check abbreviations carefully such as Wharton’s jelly derived mesenchymal stem cells in page 11, Schwann cells in page 13 and NMJ in page 17. Please check italic font (in vitro) in page 11. Please consider to cite the reference to show that phenotypic instability raises concerns of tumorigenesis in page 6. Discussion: N/A References: Uemura T et al, Transplantation of induced pluripotent stem cell-derived neurospheres for peripheral nerve repair. Biochemical and Biophysical Research Communications 2012, 419, 130-135 or other references might be cited to discuss the possibility of iPS cell application in nerve regeneration. Tables and figures: Good.