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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells
ESPS manuscript NO: 14579
Title: Allogenic banking of dental pulp stem cells for innovative therapeutics
Reviewer's code: 00742421
Reviewer's country: Mexico
Science editor: Xue-Mei Gong
Date sent for review: 2014-10-14 17:12
Date reviewed: 2014-12-13 00:51

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

COMMENTS TO AUTHORS

Include some endodontic research about this important topic.

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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells
ESPS manuscript NO: 14579
Title: Allogenic banking of dental pulp stem cells for innovative therapeutics
Reviewer's code: 02446120
Reviewer's country: Argentina
Science editor: Xue-Mei Gong
Date sent for review: 2014-10-14 17:12
Date reviewed: 2015-01-08 03:20

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

COMMENTS TO AUTHORS

Comments to authors: The manuscript of Collart-Dutilleu et al., describes the potential uses of DPSC in regenerative therapies. The authors emphasize the fact that, up to now, the possible therapeutic uses of DPSC were underestimated. The authors also point out that, in western countries, most teenagers have their wisdom teeth extracted, and that Stem cells of dental origin are easy to obtain. Therefore, the authors conclude that the occurrence of biobanks of DPSC might represent a promising new source of stem cells with clinical applications for most regenerative therapies. The authors emphasize the problem of immune rejection in all stem cell therapies, and conclude that the use of DPSCs in transplantation medicine could represent a promising option. As a whole, the review is important and necessary. Major concerns: - For most regenerative therapies using stem cells, it is indispensable that at certain point, stem cells express the specific markers of the given tissue to repair. However, even when the expression of several specific cell markers is a necessary step in its way toward a successful therapy, there is a huge gap before these cells become fully functional. Moreover, the molecular mechanisms by which stem cells become functional are largely unknown. The authors should add a paragraph highlighting the distinction between expressing markers of

specific cell types and the acquisition of fully functional cells. - Also, it should be necessary that the authors add a paragraph indicating that, even when the use of stem cells could replace the lost cells, it does not guarantee that the regenerated cells circumvent the cell death caused by the disease. - End of comments.