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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 39808

Title: Gingival-Derived Mesenchymal Stem Cells; an Endless Resource for Regenerative Dentistry

Reviewer's code: 02908703

Reviewer's country: Greece

Science editor: Li-Jun Cui

Date sent for review: 2018-05-14

Date reviewed: 2018-05-17

Review time: 3 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good		<input checked="" type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	(General priority)	Peer-reviewer's expertise on the topic of the manuscript:
<input type="checkbox"/> Grade E: Do not publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Minor revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Major revision	<input checked="" type="checkbox"/> General
		<input type="checkbox"/> Rejection	<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The reference numbers will be superscripted in square brackets with no spaces.

INITIAL REVIEW OF THE MANUSCRIPT



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PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 39808

Title: Gingival-Derived Mesenchymal Stem Cells; an Endless Resource for Regenerative Dentistry

Reviewer's code: 00742092

Reviewer's country: Italy

Science editor: Li-Jun Cui

Date sent for review: 2018-05-14

Date reviewed: 2018-05-18

Review time: 4 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

REVISION COMMENTS The manuscript presents interesting considerations about Gingival-Derived Mesenchymal Stem Cells. Attached please find my notes. Please consider that the following considerations are not mandatory, but only some minor



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modifications to the manuscript that I suggest to increase readability also for dental practitioner and not only for experts in stem cells. Overall. General English grammar revision. Editorial is a bit short and could be enlarged in my opinion (Example: <https://www.wjgnet.com/1948-0210/full/v9/i1/1.htm>). Abstract. Ok Core tips. Ok. Introduction. In order to attract Dental practitioners interest, it could be useful for the readers to develop also in Introduction section a concept expressed in core tip section. In fact Authors stated that “Current therapeutic interventions in dentistry are basically depends on biomaterials such as metals, polymers, ceramics, and composites”. Authors could add that “Biomaterials research in dentistry is focused mainly on two different aspects. The first field of investigation involves the use of existing technology, such as conventional dental materials (Use of ribbond and panavia F cement in reattaching fractured tooth fragments of vital maxillary anterior teeth. Hiremath H, Kulkarni S, Saikalyan S, Chordhiya R. Contemp Clin Dent. 2012 Oct;3(4):478-80.) or machineries (Is laser conditioning a valid alternative to conventional etching for aesthetic brackets? Sfondrini MF, Calderoni G, Vitale MC, Gandini P, Scribante A. Eur J Paediatr Dent. 2018 Mar;19(1):61-66.), toward new directions. The second field of investigation involve the research about new features, such as biomimetic materials (Evaluation of different fibers and biodentine as alternates to crown coverage for endodontically treated molars: An in vitro study. Hiremath H, Kulkarni S, Hiremath V, Kotipalli M. J Conserv Dent. 2017 Mar-Apr;20(2):72-75), CAD/CAM customized devices (Innovative approach for the in vitro research on biomedical scaffolds designed and customized with CAD-CAM technology. Marrelli M, Pujia A, Palmieri F, Gatto R, Falisi G, Gargari M, Caruso S, Apicella D, Rastelli C, Nardi GM, Paduano F, Tatullo M. Int J Immunopathol Pharmacol. 2016 Dec;29(4):778-783.), nanomaterials (Effects of nanofillers on mechanical properties of fiber-reinforced composites polymerized with light-curing and additional postcuring. Scribante A, Massironi S, Pieraccini G, Vallittu P, Lassila L, Sfondrini MF, Gandini P. J



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Appl Biomater Funct Mater. 2015 Oct 16;13(3):e296-9.) or the use of stem cells (Aly LA. Stem cells: Sources, and regenerative therapies in dental research and practice. World J Stem Cells. 2015 Aug 26;7(7):1047-53.). Study analysis. This section could be a bit enlarged. Limitations about the use of Stem cells in Dentistry could be added and discussed Perspective. Authors stated that “These cells are attractive to treat diseases like dental caries, periodontitis or to improve regeneration of craniofacial bone.”. Please add a reference for this statement, for example: Aly LA. Stem cells: Sources, and regenerative therapies in dental research and practice. World J Stem Cells. 2015 Aug 26;7(7):1047-53. Tables. None Figures. None.

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