



SDI Review Form 1.6

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_41691
Title of the Manuscript:	Role of Mesenchymal Stem Cell-Conditioned Medium (MSC-CM) In The Bone Regeneration: A Systematic Review
Type of the Article	Review Paper

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound.

To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>

PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	Reading the studies in a table is not a consistent method when a big text is included within the table thus I suggest writing paragraphs as an alternative method of showing the ten included studies As a review article, the data of the studies included should be showed and discussed thoroughly and more detailed Discussion should be more comparative and more comprehensive	
Minor REVISION comments	In the first study in vivo Wang, 2011 J Tissue Eng Med ⁹ what's written under the results title is actually the conclusion and not the results of the methodology used by the authors of this paper. The same result is repeated in the text paragraph (no need for repetition) . Study design is not clear (lot of abbreviations) In Katagiri, 2017 ¹⁴ Maxillofacial Plastic and Recon Surg , under results title , authors wrote (In MSC-CM, the concentrations of IGF-1, VEGF, and TGF-β1 were 1515.6 ± 211.8 pg/mL, 465.8 ± 108.8 pg/ mL, and 339.8 ± 14.4 pg/mL), authors should retrieve the significance of these values with that of other investigated groups in the study Chang, 2015 ¹² Mol Cells ,(Under hypoxic conditions, behavioral changes of endogenous MSC through microRNA221 targeted- ICAM- 1 expression may be a potential treatment for those with bone defects) this result is mentioned though investigating the mechanism was not mentioned in the methodology section of this study Linero, 2014 ¹⁵ PLoS ONE , results need to be shown in a more detailed manner and in relation to the studied groups and the studied time intervals.	
Optional/General comments	In Abstract , Background Line 3 the word secreted is repeated as " secreted factors secreted" , please delete the repeated word "secreted" Grammar and punctuation have to be revised	

PART 2:

Are there ethical issues in this manuscript?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there competing interest issues in this manuscript?		

Reviewer Details:

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