

Feb 22, 2021.

Dr Lian-Sheng Ma,  
Editor in Chief,  
Baishideng Publishing Group Inc  
7041 Koll Center Parkway, Suite 160,  
Pleasanton, CA 94566, USA

Dear Dr. Ma,

We are submitting herewith a revision of our review article entitled “Calcium channels and their role in regenerative medicine” (Ms # 62844) by Ahamad and Singh, to be considered for publication in the World Journal of Stem Cells. We thank the editor and the reviewers for the careful review of our manuscript and had addressed all the concerns and suggestions. The suggestions made by the reviewer were very helpful and have edited the manuscript accordingly to address all the points raised by the reviewers. We think that these revisions have improved the manuscript considerable and our detailed response for the review is as follows:

**Reviewer 1:**

*1. This review article doesn't touch bone cells and bone tissue engineering at all.*

Response: As suggested by the reviewer details as well as paragraphs for bone cell repair and bone tissue engineering has been included in the revised article.

*2. The English need certain minor editing in terms of comma, hyphen, space etc*

Response: We sincerely apologize for these mistakes and appreciate the comment. We have edited the manuscript according as needed.

**Reviewer 2:**

*1. The authors did not have a comprehensive review on the Calcium signaling in stem cells. Many Ca<sup>2+</sup> channels or signaling have been shown to regulate the stemness and differentiation of stem cells, e.g., TRP channels, TPC1/2-NAADP, cADPR-CD38, IP3R, etc.*

Response: We sincerely appreciate bringing this to our attention. As suggested by the reviewer we have included details about other calcium channels mainly including, TPC1/2-NAADP, cADPR-CD38, IP3R, channels are now included throughout the manuscript.

*2. Although it is interest to discuss the role of MSCs in COVID-19, no Ca<sup>2+</sup> channels or signaling have been mentioned in this topic.*

Response: We thank the reviewer for this excellent suggestion, thus have included the role of calcium in covid-19. Although at present much of the research has been on the effects of the virus on various diseases the basic role of stem cells has not been fully appreciated.

*3. Many typos and grammar errors are spotted in the manuscript*

Response: We sincerely apologize for these mistakes and appreciate the comment. We have edited the manuscript according as needed.

We hope that with these revisions we have fully addressed the concerns raised by the reviewer. We again thank the reviewer for these excellent suggestions and for your assistance with the review of this article and look forward to hearing from you soon. We believe that this review is timely and of utmost interest to the readership of this journal and the scientific community as a whole.

Sincerely

Brij B Singh  
Associate Dean for Research  
UT Health San Antonio, TX