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| Journal Name: | Asian Journal of Research in Biosciences |
| Manuscript Number: | Ms_AJORIB_1743 |
| Title of the Manuscript: | STEM CELL THERAPY IN TYPE1 DIABETIC TREATMENT: CURRENT ADVANCEMENT AND FUTURE PROSPECTIVE |
| Type of the Article | Review Article |

PART 1: Review Comments

| Compulsory REVISION comments | Reviewer's comment | Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i> |
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| Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part. | <p>Here's a summary of the importance of the manuscript regarding stem cell therapy for Type 1 diabetes:-</p> <ol style="list-style-type: none">1. This manuscript is significant for the scientific community as it delves into the innovative potential of stem cell therapy for treating Type 1 diabetes, a condition with significant unmet needs in current management.2. By systematically reviewing advancements in stem cell research, the paper underscores the promising outcomes of clinical trials, which have shown improvements in glycemic control and a decrease in insulin dependency among patients.3. The discussion of challenges, such as immune rejection and tumorigenicity, emphasizes the need for further research and development to ensure patient safety and treatment efficacy.4. Furthermore, the manuscript highlights the importance of personalized medicine approaches and the ongoing efforts to optimize the functionality of stem cell-derived beta cells, paving the way for more effective therapies.5. Overall, this paper not only contributes to the existing knowledge base but also encourages future research aimed at overcoming current limitations in Type 1 diabetes treatment. <p>I appreciate this manuscript for its thorough exploration of a cutting-edge treatment approach, addressing both the promising results and the challenges that lie ahead. It provides a balanced view that is essential for guiding future research directions and clinical applications.</p> | Already mentioned by reviewer |
| Is the title of the article suitable? (If not please suggest an alternative title) | YES, The title of this manuscript is suited well to the article context | |

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| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | YES (Abstract is fine) The abstract is comprehensive enough to provide a brief overview of the manuscript. But it should include the methodology with in the abstract which is missing. As per my suggestion, the abstract should be under the 300–350 word limit. It should summarize the points like the aim and objectives of the review manuscript, the methodology or methods that are adopted in the research manuscript, the discussion, and the conclusion of the research manuscript in a single paragraph. (Rather than to do not write or mention anything on it as a structured abstract) | This is great comments. Now fixed |
| Are subsections and structure of the manuscript appropriate? | YES (The subsections and structure of the manuscript is appropriate) Need to add a Graphical Abstract to make more impact to readers. | Abstract almost described in words |
| Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part. | The manuscript is scientifically robust and technically sound but need to justify :- There are few questions related to the manuscript which is need to be justify:- 1. There is a missing of a graphical abstract. 2. Abstract need to be arrange in a proper format which should include- Aim/Methodology/Result and Conclusion likewise). 3. Please use this bracket [] in all citations instead of (). Correct grammatically." 4. There is a missing graphical abstract. The authors need to add a well-labeled graphical abstract diagram that provides a basic idea about this manuscript." 5. Please go through a revision related to spelling, punctuation, spacing between the words, and grammar. (especially dosage). 6. There is missing of text references for the figures and tables which are used in whole manuscript. Author is requested to kindly revised it and fixed it. 7. Kindly make a flowchart for the easy explanation epidemiology of Type-1 DM. 8. All figures needs the declaration of copyright related to images and their quality (Specially for the figure no.1). Conclusion need to revised and it should be features with the future advancement and possibilities. 9. Headings and subheadings are not properly formatted, authors need to revised it. 10. Authors need to mention all the clinical and pre-clinical evidences of this study in a tabular manner. 11. In Table no.1 and 2 references are missing. 12. Author need to mention the diagram for showing that what the exact patho-physiology behind the Type-1 DM. 13. Author need to mentioned the marked formulations (If any) which are based on stem cell used as a potent type-1 anti-diabetic drug option. | <ol style="list-style-type: none">1. Graphical Abstract explained clearly in the word2. You are right, but now fixed3. Citation as () is cited automatically by endnote software not manually.4. Now Incorporated5. Ok6. Corrected.7. The epidemiology of Type-1 DM corrected8. Interesting comment, now fixed9. Headings and subheadings, are now properly written Know clinical and pre-clinical evidences of this study fixed in a tabular form clearly |
| Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. = | Total References are 87 which is to be quite OK for this review manuscript , If possible, It has to be increase up to 100. (To summaries more factual data). | I improved it |

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| Minor REVISION comments Is the language/English quality of the article suitable for scholarly communications? | Please go through a revision related to spelling, punctuation, spacing between the words, and grammar. (especially dosage). | |
| Optional/General comments | Other than the above, there are some technical corrections required, and the author is to be requested to please ensure before their final submission, like: <ol style="list-style-type: none">1. For the entire manuscript, please ensure that the font size is 12 and Times of Roman.2. Please make sure that the whole manuscript text or paragraphs are justified.3. The author suggested that you please follow the heading criteria in the whole manuscript, with H₁, H₂, and H3 patterns. Please make sure that the manuscript is set or adjusted according to the projected chapter outline. | Thy are now properly corrected |

PART 2:

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| | 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) |
| Are there ethical issues in this manuscript? | (If yes, Kindly please write down the ethical issues here in details) | There is no ethic no ethical issues in this manuscript |