

ANSWERING REVIEWERS

January 4, 2014

Dear Editor,



Please find enclosed the edited manuscript in Word format (file name: 5829-review.doc).

Title: Nanotechnological approaches in diabetes treatment: A new horizon

Author: Asmita Samadder and Anisur Rahman Khuda-Bukhsh

Name of Journal: *World Journal of Translational Medicine*

ESPS Manuscript NO: 5829

In addition to the changes made in response to the first reviewer comments (marked in **Red** in revised ms), we have taken care of ALL the suggestions, queries and comments of the second reviewer (marked in **Green** in the revised ms).

The manuscript has been improved according to the suggestions of reviewer. All the corrections of this reviewer is made in **Green** color.

1. Insulin: The most prominent biological molecule associated with diabetes In the description of exogenous supplemental insulin and how it is classified according to onset, peak and duration, the author could include more specific examples of the different types of supplemental insulin available (i.e. Fast, intermediate, long-term acting). A figure showing activity profiles of the different types of supplemental insulin can help illustrate the point.

Ans: We have now provided specific examples of different supplemental insulin compositions in the revised manuscript as suggested by learned reviewer. We have also provided a figure showing activity profiles of different types of supplemental insulin.

2. Use of nano insulin in diabetes treatment On this part, the authors states that "...using nano-insulin, as an effective new anti-diabetic strategy that may target any of the several mechanisms that that are involve in the development of diabetes; these may be done by adopting the proper correctional measures to bring the regulatory events back to the right track. " I think the authors should provide specific examples of how the nano-insulin will target the mechanism(s) involved in development of diabetes. Also, what are the proper correctional measures and how are these measure determined? A specific example on this topic will help strengthen an otherwise vague statement.

Ans: We have now included the specific targeted mechanism(s) for nano-insulin along with correctional measures in the revised manuscript.

3. Figures Please review the figure index, some of the figures referenced in the text are not included in the MS. The authors make reference to figure 2 and 3 but there is only one figure and two tables included as part of the MS.

Ans: We are extremely sorry for the inadvertent mistake made by us in the manuscript regarding the figure index. We have now provided the correct format in the revised manuscript.

Minor comments 1) In the section entitled “Insulin: The most prominent biological molecule associated with diabetes”, second paragraph; first line, the use of the article “the” before “blood glucose” is not necessary.

Ans: We have now corrected the sentences as suggested by the learned reviewer

2) Paragraph 5, line 2; the “Use of nano-insulin in diabetes treatment”, please paraphrase, the statement is not clear.

Ans: We have now reframed the sentence as suggested by the learned reviewer

Thank you again for publishing our manuscript in the *World Journal of Translational Medicine*.

Sincerely yours,



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