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| Book Name: | [**Medical Science: Trends and Innovations**](https://www.bookpi.org/bookstore/product/medical-science-trends-and-innovations-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_4703** |
| Title of the Manuscript: | **Effects of Luminal Α-Glucosidase Inhibition on Insulin-Linked Enzymes of Energy Metabolism** |
| Type of the Article | **Book Chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**SunText Review of Medical & Clinical Research,** **Volume 6, Issue 1, Page 1-8, 2025**

[**https://suntextreviews.org/doi/full/10.51737/2766-4813.2025.119**](https://suntextreviews.org/doi/full/10.51737/2766-4813.2025.119)

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| PART 1: Comments | | |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript contain findings regarding the effects of α-glucosidase inhibition via miglitol on glycemic and lipogenic enzyme activities in an obese Type 2 Diabetes Mellitus (T2DM) rat model. Given the global rise in obesity and T2DM, the understanding of pharmacological interventions that modulate metabolic pathways is important. This study’s emphasis on insulin-linked enzymatic changes that show the potential therapeutic strategies for management of hyperglycemia and lipid metabolism. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | **The current title is suitable** |  |
| 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. | **Statistical p-values for major findings should be mentioned.**  **Highlight implications for future research or clinical applications.** |  |
| **Is the manuscript scientifically, correct? Please write here.** | **Yes** |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.**  **-** | **Yes** |  |
| Is the language/English quality of the article suitable for scholarly communications? | Some sentences are lengthy, could be broken into shorter statements that would be more clear to the reader.  The discussion section has some redundancy that could be streamlined. |  |
| Optional/General comments |  |  |

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| **PART 2:** | | |
|  | **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)* |  |

**Reviewer details:**

**Muhammad Moazzam Ashraf, Federal Urdu University of Science, Pakistan**