

Peer review response letter

Reviewer #1:

Scientific Quality: Grade B (Very good)

Language Quality: Grade B (Minor language polishing)

Conclusion: Major revision

Specific Comments to Authors: Major: The title, abstract, and introduction of the manuscript are all strong. For scientists who are interested in the topic, the content is helpful. The abbreviations have a problem. The authors have to insert a section of abbreviations in their article. It is very confusing that both insulin resistance and insulin receptor are referred to as IR. The quality of some figures, particularly Figure 4, needs to be improved. The figure legend needs to define the significant abbreviations. Minor: Kindly use a superscript 2+ for Ca<sup>2+</sup>. Additionally, write Zn<sup>++</sup> as Zn<sup>2+</sup> with a superscript 2+.

## ANSWER

- 1) We sent the manuscript to a professional English language editing company, now the manuscript has Grade A in Language Quality. We sent certificate.
- 2) We insert a list of abbreviations, but the English publishing company removed this section. We must send to WJD the blocked document that the English publishing company sent me, so that it can be endorsed by the Grade A certificate. However, we will send to WJD the abbreviations section as an individual document, to consider your recommendation.
- 3) We corrected the document. We referred to insulin resistance with the abbreviation: IR. We referred to insulin receptor with the complete words: insulin receptor.
- 4) The figure 4 was improved and defined the significant.
- 5) We resolved the superscript symbols

Reviewer #2:

Scientific Quality: Grade D (Fair)

Language Quality: Grade C (A great deal of language polishing)

Conclusion: Major revision

Specific Comments to Authors: Dear Authors, you have made a rather extensive narrative. Many of the text (f.e. description of pancreatic anatomy and size..) is unnecessary for the WJD audience. On the other hand, the antioxidants you

suggest are important new compounds in the treatment/prevention of chronic insulin-dysfunction disorders you only briefly mention.. moreover, there are plethora of new agents with proven benefits for diabetic patients (GLP-1RA, other incretins, SGLT-2i) which you omitted, and might all exert pleiotropic effects by acting on antioxidative and antiinflammatory pathways...

## ANSWER

- 1) We resumed the text about the description of pancreatic anatomy
- 2) We included more information about the antioxidants in the table 1
- 3) We included more information about incretins in the text.
- 4) We sent the manuscript to a professional English language editing company, now the manuscript has Grade A in Language Quality. We sent certificate.