

Review of: "Exploring the Autoimmune Hypothesis of Type 1 Diabetes: Investigating the Potential Role of Peritoneal Membrane Defects in the Pancreatic Tail and Revisiting Alternative Theories of Disease Etiology"

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Potential competing interests: No potential competing interests to declare.

Dear Authors,

Dear authors, I have read a very good review article highlighting that an impaired peritoneal membrane disrupts the protective environment around pancreatic beta cells and exacerbates autoimmune damage in Type 1 diabetes. This hypothesis, which seeks to explain why some patients with autoimmune diseases develop T1DM while others do not, is compelling. While the direct evidence in existing literature is limited, the mechanisms involving immune function and autoimmune diseases offer a solid foundation for further exploration.

This article might need to improve in the context of clarity for readers. Here, I did note some points that might need to be enhanced.

Introduction: the author mentioned

"Although significant evidence supports this theory, several aspects of T1DM pathophysiology remain unresolved," could you please mention some of the aspects of T1DM pathophysiology that remain unresolved with references? What physiological aspects that the autoimmune theory has failed to explain?

- The reference No. 5 must be before the word "Furthermore."
- Reference No. 10 should be at the end of the sentence.

Anatomical and Physiological Characteristics of the Pancreas with a Focus on the Tail Region:

- The last paragraph in this section needs references.

"The tail region of the pancreas, including its intraperitoneal portion....."

4. 4. Potential Causes of Interperitoneal Membrane Dysfunction

- The first paragraph needs references.

5.1. GLP-1 Receptor Activation and Cellular Signaling

There is only one reference in the first paragraph.

6. Evidence Supporting the Hypothesis.

It is better if you support the hypothesis with more findings, if applicable, in addition to reference No. 41.

In addition to the above points mentioned, it is also essential to ensure that the article undergoes AI detection checks to verify that the text does not resemble AI-generated writing.