

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.

The topic addressed is highly relevant and always pertinent. Research related to diabetes mellitus (DM) is crucial, as it sheds light on a pathology that demands extensive care and continuous attention to patients.

The paper presents significant scientific relevance, and new research and insights are always welcome. However, it is important to note that the **methodology** presented lacks some essential elements. In certain sections, the text appears overly explanatory, with information that could be more appropriately placed in the introduction. Moreover, the **structure of the scientific methodology**, such as temporal cutoffs, descriptors for the databases used, and even a comparative table of the reviewed articles, would be more suitable in this section of the work. These are crucial aspects for a study with such an important thematic focus.

Another critical point is the **design of the future experimental steps**. There is no clear indication of sampling, the expected population cutoff, nor the location where sample collection will be supported. Furthermore, there is no mention of plans for obtaining ethical approval for these stages, which is a vital aspect to ensure the ethical conduct of the study.

Discussion: An article that is a correspondence on semaglutide was cited to support the GLP-1 hypothesis. However, it is important to note that other studies could also support the hypothesis of cellular regeneration, such as those discussing the use of dapagliflozin, which were not considered in the text.

Overall, the work is important and valuable for advancing research in this field.