



PEER-REVIEW REPORT

Name of journal: *World Journal of Experimental Medicine*

Manuscript NO: 101289

Title: Editorial on amylase and the acini-islet-acinar reflex: a new frontier in metabolic health research

Provenance and peer review: Invited Manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 08345028

Position: Peer Reviewer

Academic degree: Md

Professional title: Doctor

Reviewer's Country/Territory: Pakistan

Author's Country/Territory: South Korea

Manuscript submission date: 2024-09-10

Reviewer chosen by: Yu Bai

Reviewer accepted review: 2024-10-12 14:12

Reviewer performed review: 2024-10-22 17:09

Review time: 10 Days and 2 Hours

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input checked="" type="checkbox"/> Grade C: Good <input type="checkbox"/> Grade D: Fair <input type="checkbox"/> Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation



Scientific significance of the conclusion in this manuscript	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input checked="" type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
Language quality	<input type="checkbox"/> Grade A: Priority publishing <input checked="" type="checkbox"/> Grade B: Minor language polishing <input type="checkbox"/> Grade C: A great deal of language polishing <input type="checkbox"/> Grade D: Rejection
Conclusion	<input type="checkbox"/> Accept (High priority) <input type="checkbox"/> Accept (General priority) <input checked="" type="checkbox"/> Minor revision <input type="checkbox"/> Major revision <input type="checkbox"/> Rejection
Re-review	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Peer-reviewer statements	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous
	Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

After carefully reviewing the manuscript titled “Editorial On Amylase And The Acini-Islet-Acinar Reflex: Anew Frontier In Metabolic Health Research” and abstract “This editorial comments on the study by Pierzynowska K et al. investigating the acini-islet-acinar (AIA) reflex, which integrates the exocrine and endocrine functions of the pancreas. It specifically examines whether exogenous amylase, when introduced into the interstitial fluid surrounding pancreatic islets, can inhibit insulin release. Historically, high serum amylase levels were associated with pancreatitis, but recent findings suggest that low amylase levels are more closely linked to metabolic diseases like diabetes and obesity. In their experiment, six pigs were used to examine the effects of amylase infusion on insulin release during an intravenous glucose tolerance test (IVGTT). The pigs received different treatments (amylase, saline, or bovine serum albumin), and blood samples were taken over two hours to measure insulin and glucose levels. Results showed that amylase infusion delayed glucose-stimulated insulin release, while bovine serum albumin increased insulin levels. The findings support the existence of an AIA reflex, indicating that pancreatic amylase can influence insulin secretion and amylase



**Baishideng
Publishing
Group**

7041 Koll Center Parkway, Suite
160, Pleasanton, CA 94566, USA
Telephone: +1-925-399-1568
E-mail: office@baishideng.com
https://www.wjgnet.com

may be a key player in metabolic control”, i can see some merit in this research but the current form contains several fundamental, technical, grammatical and typographical errors so please revise the entire manuscript. 1. Please provide page number and continuous line number. It will be helpful for pointing out the errors present in the manuscript. 2. Please reduce the number of keywords to 5 or 6 maximum. 3. A little more background of the reported study in the introduction section is needed to highlight the novelty of this research with latest citations. 4. The manuscript lacks any data in the form of tables or graphs. This should be included. 5. The manuscript is not coherently and well organized. 6. The discussion section is not upto the scientific standard so carefully revise it. 7. Conclusion section needs a little more elaboration. 8. All old references before 2018 may be replaced with recent references. 9. The reference section contains formatting and typographical errors so carefully revise it.