

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 63540

**Title:** Pancreatic enzymes and abdominal adipose tissue distribution in new-onset prediabetes/diabetes after acute pancreatitis

**Reviewer's code:** 04092906

**Position:** Peer Reviewer

**Academic degree:** BSc, MSc, PhD

**Professional title:** Senior Researcher

**Reviewer's Country/Territory:** South Africa

**Author's Country/Territory:** New Zealand

**Manuscript submission date:** 2021-01-29

**Reviewer chosen by:** Jin-Lei Wang

**Reviewer accepted review:** 2021-03-04 18:55

**Reviewer performed review:** 2021-03-18 07:57

**Review time:** 13 Days and 13 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous <input type="checkbox"/> Onymous Conflicts-of-Interest: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No



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## **SPECIFIC COMMENTS TO AUTHORS**

This is an important study looking at individual with NODAP in comparison to those with T2DM and healthy controls with respect to fat phenotypes and levels of various pancreatic enzymes. The authors show that only individuals with NODAP were characterized by significant inverse associations between two abdominal fat phenotypes (intrapancreatic fat and visceral fat) and circulating levels of pancreatic amylase. Overall, it is a well designed and reported study. The following mainly minor corrections should be made before the paper is accepted for publication. - P values in first sentence of the results section in the abstract; Are these p values with respect to NODAP only or for both NODAP and T2DM in comparison with controls? - Brackets in second sentence of the introduction can be removed and punctuation used to ease reading - Very long sentence before the last paragraph of the introduction should be split in two. Sentence begins with Further, given that individuals with metabolic disorders (including type 2 diabetes and obesity) of.... - Under study design, the institution and country where the ethics committee belongs must be stated - Type 2 prediabetes or diabetes (T2DM). The word mellitus was missing in some instances. Please rectify - Include a space between numbers and units of measurement - The authors say the control group included healthy volunteers were 1:1 matched on sex. Why were they not also age matched seeing that aging can affect metabolic function? How was this adjusted for? - It is not clear who did the imaging and analysis. Was the person doing the blinded as per type of diabetes/patient or to study? If so specify, if not, how was any bias as a result of this avoided? - In the sentence "The active forms of pancreatic lipase and chymotrypsin were measured using sandwich ELISA" include "a" between sandwich and ELISA -

In the results of Associations between abdominal fat phenotypes and enzyme concentrations in the study groups, proper referencing to figures is not made in the some

cases and in Figure 1. It is difficult to tell which group of patients are represented by A-H. Specify this in the text and on the figure to ease readability - Very difficult to read font in Figure 1 against the graphs. Perhaps made the page landscape to have space to increase size. - In the table, significant p values are supposed to be bold. This is not the case. - The authors should include page numbers.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Author's Country/Territory:** New Zealand

**Manuscript submission date:** 2021-01-29

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2021-04-15 17:07

**Reviewer performed review:** 2021-04-15 18:49

**Review time:** 1 Hour

<b>Scientific quality</b>	<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
<b>Language quality</b>	<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
<b>Conclusion</b>	<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
<b>Peer-reviewer statements</b>	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



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None