

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 62864

Title: Post-pancreatitis diabetes mellitus and excess intra-pancreatic fat deposition as harbingers of pancreatic cancer

Reviewer's code: 05427629

Position: Peer Reviewer

Academic degree: MD

Professional title: Doctor

Reviewer's Country/Territory: Spain

Author's Country/Territory: New Zealand

Manuscript submission date: 2021-01-20

Reviewer chosen by: AI Technique

Reviewer accepted review: 2021-01-20 19:21

Reviewer performed review: 2021-01-21 20:10

Review time: 1 Day

Scientific quality	[<input checked="" type="checkbox"/>] Grade A: Excellent [<input type="checkbox"/>] Grade B: Very good [<input type="checkbox"/>] Grade C: Good [<input type="checkbox"/>] Grade D: Fair [<input type="checkbox"/>] Grade E: Do not publish
Language quality	[<input checked="" type="checkbox"/>] Grade A: Priority publishing [<input 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 checked="" type="checkbox"/>] Yes [<input 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

In this paper, Petrov provides an excellent review about the potential role of post-pancreatitis diabetes mellitus (PPDM) and excess intra-pancreatic fat deposition (IPFD) as specific harbingers of pancreatic cancer. This is an interesting topic with recent promising findings that could offer new strategies for the early detection of pancreatic cancer. The manuscript is very well written and includes the most important recent evidence in this field. The author is to be congratulated for a complete and concise review. I have the following minor comments:

- The author suggests that a combined approach (history of pancreatitis/PPDM and variables of END-PAC score) might ultimately make screening for pancreatic cancer cost-effective and achievement-appropriate. Some questions that could be of interest to address regarding this statement arise. How could be the clinical application of such screening? Who is the population that must to be screened? All patients with history of pancreatitis/PPDM and New-onset Diabetes? Which is the proposed screening strategy and why it might be cost-effective? Any consideration regarding these questions, if possible, could add some value and provide future perspectives for the screening implementation.
- The author provides a complete explanation about the relationship between IPFD, pancreatic cancer, pancreatitis and pre-malignant lesions. However, could the author suggest which patients could benefit from assess IPFD for estimate de risk of pancreatic cancer in clinical practice? Only patients with a history of pancreatitis and pre-malignant lesions? Could any strategy to perform a sequential assessment for detect IPFD changes during follow-up be justified? Do patients with incidentally found fatty pancreas disease benefit from a special follow-up for early detection of pancreatic cancer? Could any screening strategy in patients with excess IPFD be suggested with the current evidence?
- Spacebar in “adenocarcinomaarising” (page 9).
- Reference 10: “before” instead of

“defore”. - I do not consider essential to address all these minor questions because of the good quality of the paper is equally obvious. Nevertheless, it could try to offer a practical approach that could be of interest for clinicians. If recommendations for routine clinical practice cannot be yet made, it could be of interest also to explain it.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2021-03-03 16:05

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Scientific quality	[<input checked="" type="radio"/>] Grade A: Excellent [<input type="radio"/>] Grade B: Very good [<input type="radio"/>] Grade C: Good [<input type="radio"/>] Grade D: Fair [<input type="radio"/>] Grade E: Do not publish
Language quality	[<input checked="" type="radio"/>] Grade A: Priority publishing [<input type="radio"/>] Grade B: Minor language polishing [<input type="radio"/>] Grade C: A great deal of language polishing [<input type="radio"/>] Grade D: Rejection
Conclusion	[<input checked="" type="radio"/>] Accept (High priority) [<input type="radio"/>] Accept (General priority) [<input type="radio"/>] Minor revision [<input type="radio"/>] Major revision [<input type="radio"/>] Rejection
Peer-reviewer statements	Peer-Review: [<input type="radio"/>] Anonymous [<input checked="" type="radio"/>] Onymous Conflicts-of-Interest: [<input type="radio"/>] Yes [<input checked="" type="radio"/>] No

SPECIFIC COMMENTS TO AUTHORS



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The author perfectly addressed all my main comments in the revised manuscript. I have not more comments or suggestions, congratulations.