Name of journal: World Journal of Gastroenterology
Manuscript NO: 74912
Title: Accumulation of poly (adenosine diphosphate-ribose) by sustained supply of calcium inducing mitochondrial stress in pancreatic cancer cells
Provenance and peer review: Invited manuscript; Externally peer reviewed
Peer-review model: Single blind
Reviewer’s code: 05935626
Position: Peer Reviewer
Academic degree: MD
Professional title: Doctor
Reviewer’s Country/Territory: Indonesia
Author’s Country/Territory: South Korea
Manuscript submission date: 2022-01-11
Reviewer chosen by: AI Technique
Reviewer accepted review: 2022-01-13 16:47
Reviewer performed review: 2022-01-13 19:22
Review time: 2 Hours

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<th>Scientific quality</th>
<th>[ ] Grade A: Excellent</th>
<th>[Y] Grade B: Very good</th>
<th>[ ] Grade C: Good</th>
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<td>Language quality</td>
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<td>Conflicts-of-Interest:</td>
<td>[ ] Yes  [Y] No</td>
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**SPECIFIC COMMENTS TO AUTHORS**

I would like to congratulate the authors for this manuscript. This study is interesting and can bring new perspective. The manuscript is well prepared. I have some comments about the manuscript: Materials and methods: please refer related previous study on the methods that you use. Statistical analysis: please provide the biostatistics review certificate signed by a biostatistician. Figure legends: Information about Figure 2 section F is missing. Figure 2 section E & F please address accordingly.
PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 74912

Title: Accumulation of poly (adenosine diphosphate-ribose) by sustained supply of calcium inducing mitochondrial stress in pancreatic cancer cells

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer’s code: 03706467

Position: Peer Reviewer

Academic degree: MD, PhD

Professional title: Associate Professor, Doctor, Postdoc

Reviewer’s Country/Territory: China

Author’s Country/Territory: South Korea

Manuscript submission date: 2022-01-11

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-01-15 07:38

Reviewer performed review: 2022-01-18 03:21

Review time: 2 Days and 19 Hours

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| Re-review          | Yes | [ ] No |
SPECIFIC COMMENTS TO AUTHORS
This study describes the potential anti-cancer effects of continuous calcium supplementation leading to excessive PAR accumulation on pancreatic cancer. It is well known that pancreatic cancer is highly refractory, and we need to investigate new anti-cancer mechanisms, so the study has potential scientific value. The study offers potential ideas for the clinical treatment of pancreatic cancer. Overall, the full text is quite well organized. However, several minor issues need to be addressed. 1. Insufficient photos of animals and tumors were provided for the animal experiments, and it is recommended that all photos of animals and tumors should be supplemented by subgroups. 2. Some of the references are outdated, and it is suggested that references from the last 3 years be cited.
**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 74912

**Title:** Accumulation of poly (adenosine diphosphate-ribose) by sustained supply of calcium inducing mitochondrial stress in pancreatic cancer cells

**Provenance and peer review:** Invited manuscript; Externally peer reviewed

**Peer-review model:** Single blind

**Reviewer’s code:** 03199037

**Position:** Editorial Board

**Academic degree:** MD

**Professional title:** Director, Doctor, Full Professor

**Reviewer’s Country/Territory:** China

**Author’s Country/Territory:** South Korea

**Manuscript submission date:** 2022-01-11

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2022-01-16 11:22

**Reviewer performed review:** 2022-01-25 02:56

**Review time:** 8 Days and 15 Hours

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SPECIFIC COMMENTS TO AUTHORS

This study reported that sustained calcium supply led to the increasement of mitochondrial ROS, excess accumulation of PAR, resulting in AIF-dependent cell death in pancreatic cancer cells. The potential role of PAR accumulation in pancreatic cancer therapy was highlighted in this article, but as the authors said, the effect and mechanism of antitumor in clinical application remains a huge challenge.