

Peer Review File

Article information: <https://dx.doi.org/10.21037/pcm-23-8>

Reviewer Comments

Comment 1: Please provide epidemiological data on pancreatic cancer in 54 - 55 lines.

Reply 1: We have provided the epidemiological data on pancreatic cancers as requested.

Changes in the text: We have modified our text as advised (see Page 4, line 53)

Comment 2: Please provide the names of the companies from which the PANC-1 cell line and reagents used in the experiments and software came from.

Reply 2: The names of the companies from where PANC-1 cell line and reagents used in the experiments and software procured are provided.

PANC-1 (ATCC, USA), RPMI 1640 medium and other reagents (GIBCO, Montana USA), EGFP transgenic zebrafish (Department of Health, Medical and Caring, Linkoping University), ImageJ software 1.46r (National Institute of Health, Bethesda Maryland USA XXX). Sirt6 inhibitors and Sirt6 analog (Department of Health, Medical and Caring, Linkoping University).

Changes in the text: We have provided the names of the companies as asked.

Comment 3: Was the culture medium for PANC-1 cells DMEM?

Reply 3: Yes

Changes in the text: None

Comment 4: In the methods section, please add a subchapter of statistical analysis and specify the methods used for the statistical analysis of the obtained results.

Reply 4: As requested, we have inserted a sub-section (2.7 Statistical analyses).

Changes in the text: We have modified our text as advised (see Page 9, line 172)

Comment 5: In the description of Figures 2; 5; 7 and 10, please provide information on how the data was presented? mean +/- SD or median (quartile 1;3)

Reply 5: We have transformed the data in these figures as Whisker's plot showing maximum value (the start of the vertical line), upper quartile (the uppermost boundary of the box), median (black line in the box), lower quartile (the lowermost boundary of the box) and minimum value (end of the vertical line).

Changes in the text: None

Comment 6: Why did both sirt-6 inhibitor and sirt-6 analog reduced the mean area of the tumor?

Why the direction of action of both the sirt-6 inhibitor and the sirt-6 analog is the same?

Reply 6: Sirt6 and its analog potentially decrease cellular proliferation in all cells and in pancreatic cancer cells; studies showed that sirt6 regulates several cellular processes like ageing, metabolism and cancer.

However, the main role and function of sirt6 and analog are still largely unexplained. Our study showed that sirt6 and its analog have a clinical and pathological effect in restricting the growth of tumor cells.

Changes in the text: None