

PEER-REVIEW REPORT

Name of journal: *World Journal of Gastroenterology*

Manuscript NO: 76116

Title: International patterns in incidence and mortality trends of pancreatic cancer in the last three decades: A joinpoint regression analysis

Provenance and peer review: Invited manuscript; Externally peer reviewed

Peer-review model: Single blind

Reviewer's code: 05329428

Position: Peer Reviewer

Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Serbia

Manuscript submission date: 2022-03-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-02 09:24

Reviewer performed review: 2022-03-12 05:47

Review time: 9 Days and 20 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 Grade E: Do not publish
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 type="checkbox"/> Minor revision <input checked="" 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 type="checkbox"/>] Anonymous [<input checked="" type="checkbox"/>] Onymous Conflicts-of-Interest: [<input type="checkbox"/>] Yes [<input checked="" type="checkbox"/>] No
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SPECIFIC COMMENTS TO AUTHORS

For join point calculation, how many maximum number of join points has been set? And reason for so? Authors should provide line diagram of join point analysis for 6 WHO regions in main text and individual countries in supplementary material in result section. Author should not only discuss only about the change over the complete interval, but they should also discuss about at which year, the trend changes at least for the 6 WHO regions. Authors shall discuss trends of various risk factors of pancreatic cancer incidence/mortality by WHO regions and for selected countries which shows significant decreasing or increasing trends in last few decades. Author needs to clarify if the data of Incidence/ mortality of few years of any country is not available, have they completely removed the country for trend analysis or they have interpolated those estimates. As mentioned here" The trends analyses included only countries with data of pancreatic cancer incidence/mortality available in the observed period (from 1991 or later) continuously, provided that there has been data for at least 15 years in a row continuously. Countries with "missing" values in any year of trend analysis were excluded from the analysis.", a further clarification is required i.e., if the data is available for 15 years in a row continuously, but few years are missing. What they have done further to that country data? Mention the joint point regression equation in the statistical analysis of materials and method section. As the data of incidence and mortality are taken for different intervals for different countries, author should mention this also in their limitations. The author shall provide some suggestions or recommendations to policymakers for future planning

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Reviewer's code: 05569437

Position: Editorial Board

Academic degree: MD, PhD

Professional title: Adjunct Professor, Attending Doctor, Postdoctoral Fellow, Surgical Oncologist

Reviewer's Country/Territory: Italy

Author's Country/Territory: Serbia

Manuscript submission date: 2022-03-02

Reviewer chosen by: AI Technique

Reviewer accepted review: 2022-03-18 18:13

Reviewer performed review: 2022-03-29 11:50

Review time: 10 Days and 17 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
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 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 manuscript, the Authors analyzed data concerning pancreatic cancer extracted from WHO databases (GLOBOCAN 2020) reported on the number of new diagnosis, the incidence of and the mortality for pancreatic cancer worldwide in 2020, according to sex, to WHO regions, and to countries. In addition, they also analyzed global and national trends in incidence and mortality of pancreatic cancer in the period between 1990 and 2017, according to sex and age class. Overall, they found that the highest incidence and mortality for pancreatic cancer were observed in the European region, while the lowest in the south East Asia Region. In addition, they found a pattern of increasing incidence and mortality for pancreatic cancer in the majority of countries included in this analysis, with minimal exceptions. The manuscript is well written and readable, the statistical analysis is adequately performed. My comments: Abstract, methods: I suggest to mention that an analysis of pancreatic cancer incidence and mortality during 2020 was performed. Data source (page 9): similar to the above comment: please mention that the first analysis of incidence and mortality for pancreatic cancer shown in the manuscript regards the year 2020. Results: - I strongly believe that dividing this chapter in paragraphs (concerning: year 2020 results; patterns in incidence trends; pattern in mortality trends; pattern in trends according to age classes) may improve readability of the manuscript. - It would be interesting to investigate how patterns in incidence and mortality trends change according to age classes: is pancreatic cancer becoming more common because its incidence is increasing among younger or older age class or both? Discussion: Page 17: the authors report results from previous studies

on trends of pancreatic cancer incidence between 1970 and 1990, however such data are not adequately connected with results from the current study. Please improve it. In the subsequent paragraph of the discussion, concerning trends of incidence and mortality among males and females, is a repetition of results previously exposed in related chapter. Instead, the authors should try to interpret such results, comparing them with results previously published. The section “strength and limitations” should be improved: strength points should be looked more in deep. In addition, means of mitigation for limitations should be hypothesized.

RE-REVIEW REPORT OF REVISED MANUSCRIPT

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Academic degree: MD

Professional title: Assistant Professor

Reviewer's Country/Territory: India

Author's Country/Territory: Serbia

Manuscript submission date: 2022-03-02

Reviewer chosen by: Chen-Chen Gao

Reviewer accepted review: 2022-06-01 03:49

Reviewer performed review: 2022-06-01 04:08

Review time: 1 Hour

Scientific quality	<input type="checkbox"/> Grade A: Excellent <input checked="" 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 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
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Peer-reviewer	Peer-Review: <input type="checkbox"/> Anonymous <input checked="" type="checkbox"/> Onymous



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statements

Conflicts-of-Interest: [] Yes [Y] No

SPECIFIC COMMENTS TO AUTHORS

Authors has significantly improved the quality of manuscript in the revision.