

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Diabetes*

**Manuscript NO:** 82878

**Title:** Type 2 Diabetes and Thyroid Cancer: Synergized Risk with Rising Air Pollution

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

**Peer-review model:** Single blind

**Reviewer's code:** 05382254

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Assistant Professor, Associate Chief Physician, Doctor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-12-28

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2023-02-16 03:25

**Reviewer performed review:** 2023-02-18 05:03

**Review time:** 2 Days and 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 Grade E: Do not publish
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input checked="" type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<b>Language quality</b>	<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
<b>Conclusion</b>	<input type="checkbox"/> Accept (High priority) <input checked="" type="checkbox"/> Accept (General priority) <input 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

## SPECIFIC COMMENTS TO AUTHORS

Eva M. Kruger et al. present a miniature narrative review of the relationship between air pollution, diabetes mellitus, and thyroid cancer, it's very interesting. After reviewing the data, there is a large literature on the relationship between air pollution, diabetes and thyroid cancer, but less literature addressing the relationship between the three, thus making the authors' arguments relatively novel. Throughout, the manuscript has some minor deficiencies, which the authors are advised to revise. 1. It is suggested that "Pathogenesis" be listed separately as a subheading at an appropriate place in the manuscript, otherwise it looks messy. 2. It is suggested that the limitations of this review be added. 3. It is suggested that your thoughts on the future be briefly described. 4. About the format: 1) Many places in the manuscript are missing spaces (although this may be due to file downloads, the authors are advised to revise carefully); 2) Some references from page 13 onwards have square brackets and inconsistent formatting; 3) The format of references at the end of the paper is not standardized according to the guidelines of World Journal of Diabetes. 5. About spelling: 1) "from 1991-2022" on page 5 is irregularly written; 2) "PM" on page 5 should be explained

when it first appears, not on page 6.

## PEER-REVIEW REPORT

**Name of journal:** *World Journal of Diabetes*

**Manuscript NO:** 82878

**Title:** Type 2 Diabetes and Thyroid Cancer: Synergized Risk with Rising Air Pollution

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

**Peer-review model:** Single blind

**Reviewer's code:** 05126185

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-12-28

**Reviewer chosen by:** Dong-Mei Wang

**Reviewer accepted review:** 2023-02-15 22:40

**Reviewer performed review:** 2023-02-21 05:37

**Review time:** 5 Days and 6 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
Novelty of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No novelty
Creativity or innovation of this manuscript	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No creativity or innovation

<b>Scientific significance of the conclusion in this manuscript</b>	<input type="checkbox"/> Grade A: Excellent <input checked="" type="checkbox"/> Grade B: Good <input type="checkbox"/> Grade C: Fair <input type="checkbox"/> Grade D: No scientific significance
<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 type="checkbox"/> Minor revision <input checked="" 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

## SPECIFIC COMMENTS TO AUTHORS

I am really grateful to review this manuscript. In my opinion, this manuscript can be published once some revisions are done successfully. This study reviewed articles on the associations among air pollution, diabetes and thyroid disease. I would argue that this is a good start. However, the flow diagram and the summary tables of study methods, sample size, data type, model performances and important predictors need to be added for better external validation.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

**Name of journal:** *World Journal of Diabetes*

**Manuscript NO:** 82878

**Title:** Type 2 Diabetes and Thyroid Cancer: Synergized Risk with Rising Air Pollution

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

**Peer-review model:** Single blind

**Reviewer's code:** 05126185

**Position:** Editorial Board

**Academic degree:** PhD

**Professional title:** Associate Professor

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

**Author's Country/Territory:** United States

**Manuscript submission date:** 2022-12-28

**Reviewer chosen by:** Ze-Mao Gong

**Reviewer accepted review:** 2023-03-31 07:14

**Reviewer performed review:** 2023-04-03 03:00

**Review time:** 2 Days and 19 Hours

<b>Scientific quality</b>	<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
<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 checked="" type="checkbox"/> Accept (General priority) <input 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**

I am really grateful to review this manuscript. In my opinion, this manuscript can be published in current form.