

## PEER-REVIEW REPORT

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

**Manuscript NO:** 60226

**Title:** Coffee Consumption and Risk of Type 2 Diabetes Mellitus in Asian: A Meta-epidemiological Study of Population-based Cohort Studies

**Reviewer's code:** 01221169

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Full Professor

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

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

**Manuscript submission date:** 2020-11-27

**Reviewer chosen by:** AI Technique

**Reviewer accepted review:** 2020-11-28 06:36

**Reviewer performed review:** 2020-11-29 07:50

**Review time:** 1 Day and 1 Hour

<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 Grade E: Do not publish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 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



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#### **SPECIFIC COMMENTS TO AUTHORS**

Very interesting topic. Nice study, well conducted. Original study, producing novel findings for Asian populations. In particular, very interesting the aspects of gender-oriented differences.

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**Title:** Coffee Consumption and Risk of Type 2 Diabetes Mellitus in Asian: A Meta-epidemiological Study of Population-based Cohort Studies

**Reviewer's code:** 05186352

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-11-27

**Reviewer chosen by:** Li Ma (Science Editor)

**Reviewer accepted review:** 2020-12-07 10:56

**Reviewer performed review:** 2020-12-09 11:44

**Review time:** 2 Days

<b>Scientific quality</b>	<input type="checkbox"/> Grade A: Excellent <input type="checkbox"/> Grade B: Very good <input type="checkbox"/> Grade C: Good <input checked="" 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 type="checkbox"/> Grade B: Minor language polishing <input checked="" 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

Thank you for the opportunity to review the article entitle “Coffee Consumption and Risk of Type 2 Diabetes Mellitus in Asian: A Meta-epidemiological Study of Population-based Cohort Studies”. Coffee is still an interesting topic that arouse a lot of public attention. This paper investigated its effect on T2D in Asian people with summarisation from previous studies. However, several concerns are raised to be addressed:

1. Introduction: “....as well as Europeans and Americans through a systematic review published in 2018” Please also add the estimate for Europeans and Americans.
2. “Because South-East Asia and Western Pacific Regions were estimated to have more than 50% of cases being undiagnosed”, This sentence did not indicate the disease undiagnosed which might cause confusion for readers, please revise it.
3. “Also, results of dose-response meta-analysis (DRMA) by sex in Calström et al. [8] showed that ‘there was indication of a stronger association in women in the dose-response analysis per additional cup per day of coffee (P for difference by sex=0.03).’ “ Please remove the quote mark and revise this sentence.
4. “....in the risk of T2DM on coffee consumption” “The risk of T2DM on coffee consumption” might cause misunderstanding, please revise it.
5. “This strategy reflects the fact that published papers would cite previously published studies conducted with the same hypothesis [16]. “ In my opinion this sentence could be removed.
6. Could authors make the selection criteria in more details?
7. Please provide a flowchart for procedure of selecting the final included studies; and a table for the basic information of included studies.
8. I suggest the authors to report the test for heterogeneity in either I-square or p-value.
9. I would suggest the author to evaluate and discuss the quality of included studies more.
10. The authors could discuss the potential mechanism of coffee on T2D instead of only comparing the previous studies.
- 11.

The first paragraph of “comparison to previous evidence” should be rephrased because it convey implicit information.

## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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**Academic degree:** MD

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

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

**Manuscript submission date:** 2020-11-27

**Reviewer chosen by:** Jia-Ru Fan

**Reviewer accepted review:** 2020-12-24 04:58

**Reviewer performed review:** 2020-12-24 05:07

**Review time:** 1 Hour

<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 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>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



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Tha Authors answered all the items requested by the Reviewers.