



### PEER-REVIEW REPORT

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

**Manuscript NO:** 55114

**Title:** The Impact of Diabetes Mellitus and Cardiometabolic Syndrome on the Risk of Alzheimer's Disease Among Postmenopausal Women

**Reviewer's code:** 02904354

**Position:** Editorial Board

**Academic degree:** MD, PhD

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

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

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

**Manuscript submission date:** 2020-05-18

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2020-08-12 02:08

**Reviewer performed review:** 2020-08-15 11:58

**Review time:** 3 Days and 9 Hours

<b>Scientific quality</b>	<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 Grade E: Do not publish
<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 type="checkbox"/> Yes <input checked="" 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**

This paper is well written and interesting. It is potentially eligible for the publication in this journal. However, a major drawback is the use of self-reports of physician-diagnosis of some disease conditions, because this may lead to inaccurate diagnosis. Therefore, I recommend to perform further subgroup analysis of only accurate and reliable diagnosis after excluding self-reports of physician-diagnosis. There are some mistakes in grammar, such as "Participants' marital status, education levels, family annual incomes, health insurance of Medicare, hormone therapy use, and medical history of hypertension, myocardial infarction, angina, stroke and peripheral artery disease were significant differences ..." and "... had fully access to the dataset". The paper should be carefully checked. As shown in the title of the Table 1, the participants are divided by cardiometabolic syndrome status. However, in the first paragraph of the Results section, the authors divided the patients by DM. A new table regarding difference in characteristics of patients by DM. More words should be added to describe the current Table 1 regarding difference in characteristics of patients by cardiometabolic syndrome status.



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**Title:** The Impact of Diabetes Mellitus and Cardiometabolic Syndrome on the Risk of Alzheimer's Disease Among Postmenopausal Women

**Reviewer's code:** 02604401

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-05-18

**Reviewer chosen by:** Ya-Juan Ma

**Reviewer accepted review:** 2020-09-15 03:09

**Reviewer performed review:** 2020-09-16 01:33

**Review time:** 22 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
<b>Re-review</b>	<input checked="" type="checkbox"/> Yes [ ] No
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes <input checked="" type="checkbox"/> No



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

The Impact of Diabetes Mellitus and Cardiometabolic Syndrome on the Risk of Alzheimer's Disease Among Postmenopausal Women This study described the epidemiology of Diabetes Mellitus (DM) and cardiometabolic syndrome (CMS) and their associations with risk of incident Alzheimer's Disease (AD) among postmenopausal women, which is very interesting, and is one of the first reports on the association of DM and CMS with the risk of the development of AD among postmenopausal women. The sample size is very big and the follow-up duration is quite long. The analysis is reasonable and the conclusion has been drawn carefully. The paper has been written qualified and the tables and figures are well presented. Some suggestions: 1 Such a big project just has been finished by one person (only one author) seems not so proper. Usually at least 3: one person designs, the second processes and the third one statistics. 2 "Discussion" of "Abstract" should be "Conclusion".



## RE-REVIEW REPORT OF REVISED MANUSCRIPT

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

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**Title:** The Impact of Diabetes Mellitus and Cardiometabolic Syndrome on the Risk of Alzheimer's Disease Among Postmenopausal Women

**Reviewer's code:** 02604401

**Position:** Peer Reviewer

**Academic degree:** MD

**Professional title:** Doctor

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

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

**Manuscript submission date:** 2020-05-18

**Reviewer chosen by:** Chen-Chen Gao

**Reviewer accepted review:** 2020-11-16 08:02

**Reviewer performed review:** 2020-11-16 13:14

**Review time:** 5 Hours

<b>Scientific quality</b>	<input checked="" type="checkbox"/> Grade A: Excellent [ ] Grade B: Very good [ ] Grade C: Good [ ] Grade D: Fair [ ] Grade E: Do not publish
<b>Language quality</b>	<input checked="" type="checkbox"/> Grade A: Priority publishing [ ] Grade B: Minor language polishing [ ] Grade C: A great deal of language polishing [ ] Grade D: Rejection
<b>Conclusion</b>	<input checked="" type="checkbox"/> Accept (High priority) [ ] Accept (General priority) [ ] Minor revision [ ] Major revision [ ] Rejection
<b>Peer-reviewer statements</b>	Peer-Review: <input checked="" type="checkbox"/> Anonymous [ ] Onymous Conflicts-of-Interest: [ ] Yes <input checked="" type="checkbox"/> No

### SPECIFIC COMMENTS TO AUTHORS



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The Impact of Diabetes Mellitus and Cardiometabolic Syndrome on the Risk of Alzheimer's Disease Among Postmenopausal Women This is the revised version. The authors responded and revised carefully and seriously, and made the paper better in quality and stronger in evidence support, which will provide a worth reference to clinical practice.