

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

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 Grade E: Do not publish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

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.

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: 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

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] Grade E: Do not publish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

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: 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

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] Grade E: Do not publish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

SPECIFIC COMMENTS TO AUTHORS

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.