

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 45714

Title: Insulin resistance is associated to subclinical vascular disease in humans

Reviewer's code: 00058696

Reviewer's country: United States

Science editor: Fang-Fang Ji

Date sent for review: 2019-01-17

Date reviewed: 2019-01-24

Review time: 16 Hours, 6 Days

| SCIENTIFIC QUALITY | LANGUAGE QUALITY | CONCLUSION | PEER-REVIEWER STATEMENTS |
|---|---|--|---|
| <input type="checkbox"/> Grade A: Excellent | <input type="checkbox"/> Grade A: Priority publishing | <input type="checkbox"/> Accept | Peer-Review: |
| <input type="checkbox"/> Grade B: Very good | <input checked="" type="checkbox"/> Grade B: Minor language | (High priority) | <input checked="" type="checkbox"/> Anonymous |
| <input checked="" type="checkbox"/> Grade C: Good | polishing | <input type="checkbox"/> Accept | <input type="checkbox"/> Onymous |
| <input type="checkbox"/> Grade D: Fair | <input type="checkbox"/> Grade C: A great deal of | (General priority) | Peer-reviewer's expertise on the |
| <input type="checkbox"/> Grade E: Do not | language polishing | <input type="checkbox"/> Minor revision | topic of the manuscript: |
| publish | <input type="checkbox"/> Grade D: Rejection | <input checked="" type="checkbox"/> Major revision | <input type="checkbox"/> Advanced |
| | | <input type="checkbox"/> Rejection | <input checked="" type="checkbox"/> General |
| | | | <input type="checkbox"/> No expertise |
| | | | Conflicts-of-Interest: |
| | | | <input type="checkbox"/> Yes |
| | | | <input checked="" type="checkbox"/> No |

SPECIFIC COMMENTS TO AUTHORS

This new review article has been carefully examined. My major questions are summarized below: 1) The organization is not consistent with a review article. The logical organization for topics is: problems that have been resolved; problems that remain; and future research directions in this area of research. The present format of

this review article does not include a core tip; description of the literature search; and conclusion. 2) The English grammar is rough in areas, which can make it difficult to follow the authors' logic. The authors should consider having their manuscript reviewed by an English consultant. 3) For "functional and structural" consider using the terms "physiological and histopathological". 4) "Associated to"; are the authors referring to "related to" or "associated with"? 5) Introduction, paragraph 1: references are needed. 6) "II. Insulin resistance is independently associated"; on pages 5-7. This section can be shortened by omitting descriptions of elementary concepts of cardiovascular physiology. 7) Major concepts should be referenced as they are introduced rather than providing a brief summary of the conclusion. The authors should provide as needed brief descriptions of the weaknesses of these major references. 8) Having identical subtitles makes it difficult to follow the logical organization of this topic: i.e. page 10 "II.2 Clinical manifestations of insulin resistance" and page 16 "III.2 Clinical manifestations of insulin resistance". 9) Figure 1: This appears to summarize "A simplified proposed mechanism". 10) Figure 2: This appears to summarize "Pathophysiological vascular changes". 11) It is not clear how the authors have incorporated Table 1, Table 2, and Table 3 into this review article. Minor Issues: 1) It should be "hypertriglyceridemia".

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- [] The same title
- [] Duplicate publication
- [] Plagiarism
- [Y] No



**Baishideng
Publishing
Group**

7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

https:// www.wjgnet.com

BPG Search:

[] The same title

[] Duplicate publication

[] Plagiarism

[Y] No