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ANSWERING REVIEWERS

PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 46949

Title: Association between sarcopenic obesity and higher risk of type 2 diabetes in adults:
a systematic review and meta-analysis

Reviewer's code: 02811953

Reviewer's country: United States

Science editor: Ying Dou

Reviewer accepted review: 2019-03-07 12:55

Reviewer performed review: 2019-03-10 14:56

Review time: 3 Days and 2 Hours

SPECIFIC COMMENTS TO AUTHORS

The manuscript (46949) entitled "Association between sarcopenic obesity and higher risk of type 2 diabetes in adults: a systematic review and meta-analysis" is a manuscript by Dima Khadra1, et al. Here, the authors conducted a systematic review to determine the prevalence of sarcopenia among adults with overweight and obesity and to investigate whether sarcopenic obesity (SO) was associated with a higher risk of type 2 diabetes. They concluded that a high prevalence of sarcopenia is found among adults with overweight and obesity regardless of their gender, and SO is associated with a higher risk of T2D Major comments This work showed an association of SO and diabetes at certain percentage. It will serve the audience better if the authors can further elaborate or propose potential mechanism that leads to this association.



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Response: We proposed a potential mechanism that lead to the association between SO and T2D in the Discussion section as suggested.



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PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 46949

Title: Association between sarcopenic obesity and higher risk of type 2 diabetes in adults:
a systematic review and meta-analysis

Reviewer's code: 02476743

Reviewer's country: Taiwan

Science editor: Ying Dou

Reviewer accepted review: 2019-03-13 09:36

Reviewer performed review: 2019-03-13 10:08

Review time: 1 Hour

SPECIFIC COMMENTS TO AUTHORS

Appreciate the opportunity to review the manuscript entitled "Association between sarcopenic obesity and higher risk of type 2 diabetes in adults: a systematic review and meta-analysis", by Khadra et. al. The purpose of this systematic review and meta-analysis was to evaluate the association between sarcopenic obesity and higher risk of type 2 diabetes in adults based on the review of cohort studies. This represents a good effort into trying to bring a more robust association into a major public health problem as is the increasing prevalence of sarcopenic obesity and the impact on the type 2 diabetes.

However, even if methods are properly developed and report in general follows the PRISMA requirements, the quality of the analysis seems to lack of impact and does not seem to clearly answer the question proposed on their main objective due to the fact that no cohort studies in this analysis were considered.



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Response: We thank the reviewer for the comment. The raised issue is now mentioned within the limitation in the Discussion section.

Unfortunately also as a reader when reviewing this manuscript in the methods section on top of describing the systematic review/meta-analysis methods authors lack of a proper and validated definition of what they considered as sarcopenic obesity and is not defined in the paper as how they will consider the cases of type 2 diabetes.

Response: now we added this information in the PICO statement in the Introduction section

The authors conclude that a high prevalence of sarcopenia has been found among adults with overweight and obesity regardless of their gender and this condition seems to be associated with a higher risk of type 2 diabetes. However, the available studies are limited and relative low-quality evidence.

Response: We thank the reviewer for the comment. The raised issue is now mentioned within the limitation in the Discussion section.



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PEER-REVIEW REPORT

Name of journal: World Journal of Diabetes

Manuscript NO: 46949

Title: Association between sarcopenic obesity and higher risk of type 2 diabetes in adults:
a systematic review and meta-analysis

Reviewer's code: 02946445

Reviewer's country: Turkey

Science editor: Ying Dou

Reviewer accepted review: 2019-03-20 11:00

Reviewer performed review: 2019-03-26 10:08

Review time: 5 Days and 23 Hours

SPECIFIC COMMENTS TO AUTHORS

Thank you for this admirable article. I think you have made an important contribution to the literature.

Response: We thank the reviewer for the appreciation.