Reviewer’s report

Title: Association of circulating leptin and adiponectin with periodontitis: A systematic review and meta-analysis

Version: 0 Date: 07 Feb 2017

Reviewer: Maha El Tantawi

Reviewer's report:

The manuscript presents a systematic review about adipokines and periodontitis and offers useful information although a focused clinical question and a study rationale were not presented. The authors assessed the levels of two adipokines in people with and without periodontitis AND before and after periodontal treatment. Because of this wide scope, the eligibility criteria included all types of studies. This affected the specification of the other eligibility criteria, and caused confusion in the use of terms describing the studies' groups. The outcome/s and exposure/s were not specified and periodontitis was not defined. In addition, the authors did not present the quality assessment of the studies they included; just the overall scores. No measure of assessors' agreement was presented. The handling of the clinical trials in particular needs revision and/or explanation. All these issues need to be addressed. The details are included in the attached file.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

No

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Unable to assess

Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

No

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I recommend additional statistical review

Quality of written English
Please indicate the quality of language in the manuscript:
Needs some language corrections before being published

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