Reviewer’s report

**Title:** Effect of non-surgical periodontal treatment on glycemic control of patients with diabetes: a meta-analysis of randomized controlled trials

**Version:** 1  **Date:** 13 February 2015

**Reviewer:** Lazaros Tsalikis

**Reviewer’s report:**

Major compulsory revisions

The search has been performed until February 2014 according to the Abstract or April 2014 according to the main text. In any case, since it is submitted for publication in 2015, it should include search till December 2014.

Index I and x appear differently in the text.

I suggest authors to give more information about the weighting scheme of the studies (how the studies’ weight was calculated).

Also, I suggest authors to support the choice of the effect size (weighted mean difference) used in the Meta-Analysis.

Fig. 3 is not in a publishable form. I think authors should reverse the colours.

Authors write (page 12)... The small sample size within the study could lead to the small-study effect. Yes, but small sample trials are more likely to show larger effects. I suggest authors to make a comment relative to how they counterbalanced these two consequences of small sample size studies.

Finally, another point that needs some justification is the normality of the effect size used in the Meta-Analysis. I suggest authors to make some discussion (little) about how they tested or supperpassed the effect size’s normality.

**Level of interest:** An article of importance in its field

**Quality of written English:** Needs some language corrections before being published

**Statistical review:** Yes, and I have assessed the statistics in my report.

**Declaration of competing interests:**

I declare that I have no competing interests.