Reviewer’s report

Title: Effects of nonsurgical periodontal treatment on glycated haemoglobin on type 2 diabetes patients (PARODIA 1 study): a randomized controlled trial in a sub-Saharan Africa population

Version: 0 Date: 03 Jun 2017

Reviewer: Narisato Kanamura

Reviewer's report:

This paper is about the relationship between periodontal disease and diabetes and reports that periodontal treatment improves the condition of diabetes. Previous studies so far have pointed out problems such as difficulty in comparing due to the periodontal disease condition and diabetes treatment at the start of the study1) -3). Although it is a very interesting research in periodontal medicine research, it is necessary to organize the following points.


1. The condition of periodontal disease has been investigated in detail, but how about the severity of diabetes? For example, it is about the relationship of periodontal disease with severe or mild symptoms of diabetes. Describe how to treat diabetes.

2. Although hCRP is not investigated, periodontal disease causes bacteremia, and minor chronic inflammation causes insulin resistance. Especially in this paper we think that the symptoms of gingivitis are strong, so please consider this point.

3. Did you have any allergic reactions with gargling with 0.2% chlorhexidine gluconate or using 10% povidone iodine?

4. Is periodontal treatment done by the same or standardized medical personnel?
5. Others

· Please unify the notation of the author name of the discussion.

· Write the variables using the Mann Whitney U test and t test in Table 1 and Table 2. · Make the notation of PD in Table 1 and Table 2 the first decimal place.

· Set the PD (Δ) of the control group in Table 2 to the second decimal place.

· Please revise the figures of retinopathy and diabetic foot in the treatment group of Table 1.

· Please describe the dotted line in Figure 2.

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

Yes

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

Yes

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

Yes

**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 am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable
Declaration of competing interests
Please complete a declaration of competing interests, considering the following questions:

1. Have you in the past five years received reimbursements, fees, funding, or salary from an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

2. Do you hold any stocks or shares in an organisation that may in any way gain or lose financially from the publication of this manuscript, either now or in the future?

3. Do you hold or are you currently applying for any patents relating to the content of the manuscript?

4. Have you received reimbursements, fees, funding, or salary from an organization that holds or has applied for patents relating to the content of the manuscript?

5. Do you have any other financial competing interests?

6. Do you have any non-financial competing interests in relation to this paper?

If you can answer no to all of the above, write 'I declare that I have no competing interests' below. If your reply is yes to any, please give details below.

'I declare that I have no competing interests.

I agree to the open peer review policy of the journal. I understand that my name will be included on my report to the authors and, if the manuscript is accepted for publication, my named report including any attachments I upload will be posted on the website along with the authors' responses. I agree for my report to be made available under an Open Access Creative Commons CC-BY license (http://creativecommons.org/licenses/by/4.0/). I understand that any comments which I do not wish to be included in my named report can be included as confidential comments to the editors, which will not be published.

I agree to the open peer review policy of the journal