Reviewer's report

Title: Prevalence of Epstein-Barr virus DNA and Porphyromonas gingivalis in Japanese periimplantitis patients

Version: 0 Date: 18 Aug 2017

Reviewer: Yuichiro Kikuchi

Reviewer's report:

This manuscript reports on the prevalence of Epstein-Barr virus DNA and Porphyromonas gingivalis in Japanese peri-implantitis patients. This manuscript presents some interesting results, and the experimental procedures seem to be sound. However, minor changes are necessary to make this paper more clear and complete.

Major Compulsory Revisions

1. Pay attention to proper use of the English language. There are many grammatical errors or typographical errors and the sentences could be re-constructed to be of better clarity. English in this manuscript may need editing service.

2. Many abbreviations, such as "PI", "PPD", "BOP" and "SUP" are written in the manuscript. It is difficult to understand the text or some Tables mean at a glance. List of abbreviations should be included in the main text.

3. (Methods)

Subjects and subject distribution

I think it is not possible to simply compare HI and PI if the periods of implants loading time of HI and PI are very different. Please explain of the duration of periods of implants loading time of HI and PI.

4. (Methods)

Page 7 Ins 22-23
I do not understand the sentence "the expressions of EBV DNA and P. gingivalis relative to GAPDH were determined". Why do the authors determine the expression of P. gingivalis using the GAPDH? Please clarify.

Minor Essential Revisions

1. (Keywords)
Change "P. gingivalis" to "Porphyromonas gingivalis".

2. (Background)
Page 3 Ins 32-33
I do not understand the meaning of the word "microbial interactions". EBV is a virus. Is "microbial" need? Rewrite sentence for more clarity. Similar errors appear in the manuscript on Page 12 lines 22-23.

3. (Methods)
Page 6 Ins 29-36
Change "Kato et al., 2015" to the reference number 17. Similar errors appear in the manuscript on Page 6 lines 32-36.

4. Page 7 Ins 9-10
I do not understand the meaning of the words "0.2 μl and 0.4 μM forward and reverse primers". Please clarify.

5. (Table1-4)
Many abbreviations, such as "PPD", "BOP", "SUP" and "ND" are written in the tables. Table legends should be included underneath the table.

6. (Table1-4)
Change "PPD" to "PPD (mm)".

7. (Table1)
Males, HC
Change "45" to "5".

8. (References)
Please correct the notation of all page numbers as shown below.

BMC Oral Health example reference style:

Article within a journal


9. There are a number of typographical errors that need correcting:

a. No.8 Change "Roudie RJ" to "Roudier J".


g. No.27 Change "Astra Tech" to "AstraTech".


i. No.29 Change "218-216" to "218-226".


k. No.33 Change "Peri-implant" to "Periimplant".

l. No.36 Change "Land NP." to "Lang NP.".

m. No.39 Change "Clin Oral Invest." to "Clin Oral Investig.".

n. No.47 Change "2013" to "2015".

o. No.50 Change "Saygun A, Kubar S." to "Saygun I, Kubar A.".
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:

Needs some language corrections before being published

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