Reviewer's report

Title: Comparison of the abrasive properties of two different systems for interproximal enamel reduction: oscillating versus manual strips

Version: 0 Date: 01 Aug 2019

Reviewer: Suleyman Buyuk

Reviewer's report:

I have evaluated the original article "Comparison of the abrasive properties of two different IPR systems: oscillating versus manual strips" and my comments are below:

1. IPR in the title should be explained as interproximal reduction; abbreviations were not preferred in the title.

2. In Abstract, Methods section not '3 oscillating...' It should be corrected as Three oscillating...' Also, first sentence of abstract (background) may be written as 'The aim of present study was to evaluate.....' Moreover, the model names Universal Testing Machine and SEM devices should be omitted from Abstract. Abstract methods section, which one of the t test you use? These are statements that do not suit the academic literature. And other parts of the abstract should be checked carefully in terms of English and academic writing rules.

3. Authors should add a photo about oscillating strips and manual strips for better understanding readers.

4. There are only two references after 2015. Authors should add more recently references from 2018, also 2019. Moreover, there are many old references such as '-Hudson AL. A study of the effects of mesiodistal reduction of mandibular anterior teeth. Am J 291 Orthod 1956; 42: 615- 624, -Ballard ML. Asymmetry in tooth size: a factor in the etiology, diagnosis and treatment of 317 malocclusion. Angle Orthod 1944; 14:67-70.'

5. The Table 1 is not compatible with statistical design. P values should be added.

6. In Page 7, Line 150, 'This calculation was based on previous pilot test considering a significance level of 0.05 and test power of 80%.' What is your reference parameter and effect size? They should be added.

7. The English of the article must be edited by the professional Edit Service or native English speakers.

8. All references in the text and the reference section should be checked, carefully. Authors should read the Journal Author Guidelines.
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

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