Reviewer’s report

Title: Impact of molar teeth distalization with clear aligners on occlusal vertical dimension: A retrospective study

Version: 0 Date: 24 Jun 2019

Reviewer: Suleyman Buyuk

Reviewer's report:

I have evaluated the original article "Impact of teeth distalization with orthodontic aligners on occlusal vertical dimension: a retrospective study on class II subjects" and my comments are below:

1. The title should be changed as 'Impact of molar teeth distalization with clear aligners on occlusal vertical dimension: A retrospective study'

2. In Abstract, Background is too long. First and second sentences were modified and shortened. And you said that 'growing' patients. Your patients mean age is 22.7 y. They are adults, not growing patients.

3. In Abstract, Methods section, 'Lateral radiographs…' should be corrected as 'Lateral cephalometric radiographs…'. And all text should be checked in terms of this issue.

4. Keywords should be re-arranged. Mesh Terms may be used. Number of Keywords should be reduced.

5. In Page 5, Line 82, ref 18. belongs to one of the authors of the text. Authors should either remove it or add other relevant references about the accelerated tooth movement in clear aligners patients.

6. In Page 5, Line 83, 'Attachments…' sentence should be omitted.

7. In Page 6, Line 114, The reference about the SnGoGn should be added.

8. In Page 6, Line 112, Why did authors prefer hand traced? We are in digital era, and artificial intelligence is so popular. Moreover, artificial intelligence could determine the cephalometric points and calculate the measurements in cephalogram/3D images. At least, authors may use the digital cephalometric software programmes.
9. Authors should perform the intra-class correlation co-efficients (ICC).

10. In Page 7, Line 127, paired Student t test should be corrected as Paired-t test.

11. Results are too shallow, and postero-anterior cephalometric parameters should be added about the vertical dimension.

12. In Page 7, Line 133, SD should be explained.

13. The article English is poor. It must be edited by the professional Edit Service or native English speakers.

14. 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.

No

**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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