Reviewer’s report

Title: Reliability and validity of miniscrews as references in cone-beam computed tomography and intraoral scanner digital models: study on goat heads

Version: 0 Date: 22 Sep 2019

Reviewer: Junaid Ahmed

Reviewer's report:

1. In background section, the sentence 'Park found that the borders of mental brackets were blurred in image created by image created by certain type of IOS, and literature does not support the use of IOSs for impression capture on multiple dental implants' is grammatically incorrect.

2. In Methods section, under the sub heading of CBCT & Intraoral imaging, the sentence 'Eight hemimandibles were rescanned re-imaged by 0.3-mm voxels' is grammatically incorrect.

3. The Authors speak about superimposition of miniscrews on 3D images but nowhere in their study, the actual superimposition of miniscrews by using CBCT finds a mention in their Research work.

4. The study has been conducted on Goat heads. The feasibility of such studies on Humans using CBCT with the amount of Radiation and cost has not been discussed nor justified in the study.

5. Grammatical errors are present throughout the Manuscript and what exactly do the Authors hope to achieve through the present study is confusing.

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

No

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

Unable to assess

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

No
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 recommend additional statistical review

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

Not suitable for publication unless extensively edited

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