Reviewer’s report

Title: Improving the prediction of the trabecular bone microarchitectural parameters using dental cone-beam computed tomography

Version: 1 Date: 08 Sep 2018

Reviewer: Reviewer 2

Reviewer's report:

PEER REVIEWER COMMENTS: To view the full report from the academic peer reviewer, please see the attached file.

REVIEWER COMMENTS FROM REPORT: The statement "the estimates of the four trabecular bone microarchitectural parameters obtained through dental CBCT were significantly different from those obtained through micro-CT" seems to contradict the subsequently described results, in which there was significant correlation between some preprocessing CBCT and microCT.

It seems that the conclusion does not accurately reflect the results, in which air removal underestimates trabecular bone volume, for example.

There are numerous typos throughout the article. The work should undergo more thorough proofreading for this.

REQUESTED REVISIONS:
Clarify the interpretation of the results and corresponding conclusion.

ADDITIONAL REQUESTS/SUGGESTIONS:
Better emphasize what is novel about this work, since similar things have been published.

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.

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.

Not relevant to this manuscript

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

Needs some language corrections before being published

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