Reviewer’s report

Title: The Anatomical Evaluation of the Dental Arches Using Cone Beam Computed Tomography - An Investigation of the Availability of Bone for Placement of Mini-screws

Version: 1 Date: 28 January 2013

Reviewer: Thomas Ziebura

Reviewer’s report:

The article provides data on the amount of interradicular space available for mini-implant placement.

Previous investigations such as the one published by Monnerat and the one made by Park and Cho (both 2009) pursued the same subject. While Monnerat’s study was conducted on 15 dry skulls, Park and Cho investigated 60 actual patients.

Only 40 patients were evaluated in the present study but, unlike Park and Cho, the authors included anterior interradicular spaces and compared three bucco-lingual levels.

Discretionary Revisions
- The tables provided list the values measured in each of the 26 measurement sites and at each distance from CEJ. However, the measurement sites are numbered consecutively making it impossible to identify which interradicular space corresponds to a measurement site without figure 1 or 3.

It would be preferable to have this information within the tables.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests