Reviewer's report

Title: The Taper of Cast Post Preparation Measured Using Innovative Image Processing Technique

Version: 1 Date: 22 April 2010

Reviewer: Manoel Sousa-Neto

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This study was conducted to measure the degree of cast posts taper, and to evaluate its suitability based on the anatomy aspects of the common candidate teeth for post reconstruction.

The specimens were made by students, and considering the sample selection, there is a large diversity of teeth groups used in the study. An evident difference in this type of article is that the cast posts tapers were made by student and it is difficult to establish whether findings are related to technique or to the fact the student does not have the experience necessary for this procedure.

Another important aspect is that the authors should discuss better their findings by comparing them with recent literature, since the most recent citation is from 2005. Thus, the authors should include in the discussion the limitation of the study, as the fact that the samples have been prepared by students, the methodology based on images, as well as the need to update the references. Tables can be reduced. Tables 1, Table 3 and Figure 2 are unnecessary and should be removed. Figures 3 and 4 could be grouped on a single board.

English language should be revised by a native speaker since the manuscript contains some typo and grammar mistakes.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

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