

Subject: [BDS] Editor Decision

Dear Yolanda de Toledo Salvado da Ressurreição, João Afonso Kenhyti Sato ,
Carolina Mayumi Iegami , Newton Sesma, Marcio Katsuyoshi Mukai , Regina
Tamaki:

Your submission Digital mapping of post-insertion adjustments in complete
dentures to Brazilian Dental Science, has been revised and according to reviewers'
comments, there are questions to be addressed and/or points to be
clarified/corrected.

Please answer the reviewers considerations point-by-point in a separate document
and also please make all the corrections in the text highlighted in yellow.

Deadline: 30 days

Thank you for considering Brazilian Dental Science for publishing your research.
We are looking forward the revised version of you manuscript.

Sincerely,

Reviewer A:

The manuscript addresses a clinically relevant topic and presents a well-designed
digital approach to evaluate post-insertion adjustments in complete dentures.
However, some methodological aspects could be further clarified to strengthen
the study:

1. **Sample size calculation:** It is recommended to specify that the sample
size calculation was performed a priori, clearly indicating that it was based
on data from a pilot study and on the primary outcome of the study
(magnitude of post-insertion adjustments). In addition, the unit of analysis
should be clearly defined as “dentures” rather than ambiguous terms such

as “specimens,” and the level of significance and statistical power should be explicitly reported.

2. **Digital superimposition:** It is recommended to complement the description of the digital superimposition process by specifying the parameters used in the Iterative Closest Point (ICP) algorithm, such as the number of iterations and convergence criteria, as well as the method used to identify the point of greatest discrepancy in each region. It would also be advisable to indicate whether measurements were performed by a calibrated operator and whether the reproducibility of the method was assessed.
3. **Clinical interpretation:** It is recommended to enrich the discussion by incorporating clinical implications derived from the quantitative findings. In particular, the greater material removal observed in the mandibular lingual sulcus suggests that this region requires special attention during post-insertion adjustments, in order to minimize traumatic lesions and improve patient adaptation.

These improvements would enhance the clarity, reproducibility, and clinical relevance of the manuscript.
