

Peer Review File

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Reviewer A

Interesting clinical application. This short clinical application for implantological 3D planning should be published.

REPLY: Dear reviewer, thank you so much for the time you spent reviewing the document. We really appreciate your kind comment. Thank you!

Reviewer B

I congratulate the authors on this submission. It is concise and clear the technique appears to be relevant and effective.

Some questions and recommendations:

1. Please clarify in the Technique section how the channel in the artificial teeth is created.

REPLY 1: Dear reviewer, as per your request, details on how the channel in the artificial teeth was created were added to the technique section. Thank you!

2. Please clarify in the Technique section how the artificial teeth get transferred from the maxillary cast to the radiographic template? I.e. the step between image 1C => 1D

REPLY 2: Dear reviewer, as per your request the details on how the teeth were transferred were added to the manuscript. After immersion in water, the bond between the stone and the teeth decreases. If the teeth arrangements are created with retentive areas below their height of contours these tend to come attached to the template after it is trimmed and removed from the cast.

The following was added to the manuscript.

1. Page 3 (lines 1-3)

Immerse the cast and artificial teeth arrangements in a rubber mixing bowl (Patterson Flex Mixing Bowl; Patterson Dental) with lukewarm water to accelerate the setting of the zinc oxide-based restorative materials. (Fig.1B) This step simplifies the separation of the artificial teeth arrangements from the casts at later stages since the bond between the teeth and the stone is decreased by water immersion.

2. Page 3 (lines 8-10)

*Finish and polish the radiographic templates using laboratory carbide cutters and abrasive brushes (25525HP Fine Scotch Brite Brush: Patterson Dental) (Fig.1D).
Make sure not to over trim the template material extending below the height of contour to ensure satisfactory mechanical retention of the artificial teeth arrangements within the template when removed from the cast.*

Thank you so much for your observations!

3. Please add the word "to" before "fix" in the last sentence under Technique, point 3.

REPLY 3: Dear reviewer, as per your request the word "to" was added before "fix" in point 3. Thank you!

2. I currently can't see the image labels A,B,C,D. This is also the case for Figure 2 A,B. This may a limitation of the PDF format.

REPLY: Dear reviewer, Figures 1 and 2 present labels located on the upper left corner of each image. Most likely, as you mentioned it is a limitation of the PDF format.

Reviewer C

It was evaluated the article "Using zinc oxide-based temporary materials as contrast methods: A practical approach for implant planning"

The goal was not presented or it was understandable reading the title.

- there is no abstract
- there is not enough intro (14 lines with 9 refs.)
- one page demonstrating the technique.
- there is no conclusion

This article needs to be completely reviewed before resubmission.

*REPLY: Dear Reviewer C, thank you for your comments. To express the objective of the manuscript more clearly the title of the article was modified to the following:
"Using zinc oxide-based temporary materials as contrast methods: A practical and simple approach for planning prosthetically-driven sinus elevation."*

Additionally, as per your request, an abstract was added to the manuscript. However, the introduction, the length of the page demonstrating technique and conclusion were omitted since according to the author guideline for Brief Reports, the main text for this type of brief reports can be unstructured. Therefore, the authors feel that this report is following the guidelines set forth in the journal and it has sufficient content describing the purpose of a simple technique such as utilizing zinc oxide as a contrast medium.

Kindest regards!

Reviewer D

The brief report is objective and presents a viable alternative for planning in implant dentistry.

There are no suggestions on my part.

REPLY: Dear reviewer, thank you so much for the time you spent reviewing the document. We really appreciate your kind comment. Kindest regards!