Reviewer's report

Title: A simplified approach to true molar intrusion

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Reviewer: Edela Puricelli

Reviewer's report:

The article presents a technique proposal for molar intrusion with an alternative site for micro implant placement. The proposal seems valid and useful, with facilitated and safe surgical steps and efficient mechanics.

In order to contribute to the presentation of this article, a few points, listed below, should be observed.

Minor Essential Revisions:

Methods

1. For the surgical sequence presented, I would suggest to alter the sequence, applying the mouth rinse with 0.2% chlorhexidine digluconate before the local infiltrative anesthetic.

2. For patients 2 and 3, more complete pre-treatment and post-treatment documentation and case presentation should be given, with treatment sequence and cephalometrics. If a complete description cannot be presented, just one patient should be chosen with complete diagnosis, treatment steps and analysis of the results, better exploring the potentials of the proposed technique.

Results

3. By the results and images presented, it seems that the open bite closure was achieved mainly by tipping the occlusal plane with subsequent extrusion of maxillary incisors. This is addressed in the Discussion for patient 2, but might or might not be the case for the other two patients.

Since diagnosis for patient 1 was clockwise mandibular rotation, cephalometric superimposition of this case and a more profound analysis of the treatment outcomes is necessary. If counterclockwise mandibular rotation was achieved, the results would be welcome. However, if not, this results should also be presented and the merits of this technique against surgical correction and other orthodontic alternatives should be discussed under this knowledge.

This discussion is greatly important, since the proposed technique may have the potential to address cases of minor skeletal open bites.

Discretionary Revisions:

Methods
1. It seems, by the archwire sequence described for patient 1, that a .018 slot prescription was used, please clarify, as this may influence the results.

2. Also in patient 1, it is stated that a diagnosis of clockwise mandibular rotation was made. Cephalometric tracings and/or values could be presented for a better understanding of this case. Also, the displacement map of the digitized casts is very adequate and could be further commented.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests