EFFICIENCY OF SEGMENTED MECHANICS TO OPTIMIZE THE ORTHODONTIC TREATMENT IN CANINE DISTALIZATION-case report

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INTRODUCTION

The principles of orthodontic mechanics strongly influence the success of canine distalization.

MATERIAL AND METHOD

Orthodontic treatment of a young patient with primary anterior bimaxillary crowding, an ectopically erupted upper left canine, buccaly positioned and Class II in the molar region. The treatment plan included extractions of the lower first molars and the upper right first premolar. With 0.017 x 0.025 segmental titanium molybdenum alloy T-loop, the horizontal force acted on the tooth performing its bodily distalization and its retraction by closing the extraction space.





Figure 2. a)Intraoral view of patient malocclusion .

After the treatment with straight wire technique. We corrected the maxillary and mandibulary crowding, achieved ideal overjet and overbite and improved incisor inclination, which, leaded to improved occlusion and satisfactory smile for the patient.



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canine distalization.

RESULTS

Figure 5. Results after the orthodontic treatment.





Figure 3. T-loop for canine retraction and it's bodily distalization.

Figure 1. T-loop.

CONCLUSION

Through this case report we highlight the efficiency of segmented mechanics to optimize the orthodontic treatment, to reduce the duration of treatment time and to achieve ideal results without side effects on the surrounding teeth and tissues.

> Authors declare that there is no conflict of interest