Bilateral Intrusion of Molar using Modified Transpalatal Arch in Mutilated Case

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ABSTRACT

For treating the extruded molars, various orthodontic techniques have been introduced. In this article, bilateral molar intrusion is carried out with a modified transpalatal arch.

Keywords: Extruded molars, Intrusion, Modified transpalatal arch.


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INTRODUCTION

Many cases are often seen with molar extrusion due to loss of opposing teeth and is very commonly seen in clinical practice. Different methods have been suggested to correct these kinds of conditions. A better method would be to intrude the extruded molar orthodontically.1-3 Here, it is a case with bilateral loss of lower first molar that results in extrusion of upper first molar (Fig. 1).

TECHNIQUE

This was corrected with a modified transpalatal arch. This is fabricated by banding the second premolars and second molars bilaterally (Fig. 2), they are connected both buccally and palatally (Fig. 3). Small U-loop is incorporated at the center of the molars both buccally and palatally to this e-chain was connected (Fig. 4). True intrusion was achieved in 4 to 5 months by applying 250 gm of force bilaterally (Fig. 5).
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RADIOPHGRAPHIC FINDINGS

Pretreatment radiograph (Fig. 6) shows extrusion of first permanent molars, another radiograph (Fig. 7) is taken after intrusion and bonding. A transpalatal arch was placed to stabilize and maintain the intrusion achieved. Superimposition (Figs 8 and 9) of radiograph shows 4 mm of bilateral intrusion of first permanent molars. This is one of the simple methods of intruding bilaterally extruded molars.

REFERENCES