

SIMPLIFYING CLASS II SUBDIVISION TREATMENT WITH FIXED APPLIANCE, PERFORMED BITE RAISERS (BT2®) AND INTERMAXILLARY ELASTICS: A CLINICAL REPORT

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AIM: Asymmetrical malocclusions have always been considered challenging cases for orthodontists. The disclusion induced by the bite raisers BT2® (SIA Orthodontic Manufacturer, Italy), combined with the use of intermaxillary elastics, simplified the treatment of a Class II subdivision case.

MATERIALS AND METHODS: A 12-year-old girl with permanent dentition presented a Class II subdivision malocclusion (Class I on the right, full-cusp Class II on the left), mild crowding, increased overbite, and non-coincident midlines. Treatment included fixed appliances, BT2® bite raisers on upper central incisors, and intermaxillary elastics. The bite raisers helped reduce overbite and asymmetry, shifting the left side from full Class II to end-to-end, improving midline alignment. Occlusal contact on posterior teeth allowed bonding of the lower arch and leveling with stainless steel wires. Class II elastics were worn full-time, then at night. After 10 months, a bilateral Class I was achieved, and a 2 mm space between teeth 2.2 and 2.3 was used to center the upper midline with a NiTi closed coil spring.

RESULTS: The treatment lasted 12 months, achieving Class I molar and canine relationships, with normal overjet and overbite. The previously deviated upper and lower midlines were also centered.

CONCLUSION: The use of fixed appliance, BT2® and intermaxillary elastics was shown to be effective in treating a Class II subdivision case, both in terms of reducing treatment time and simplifying the biomechanics.

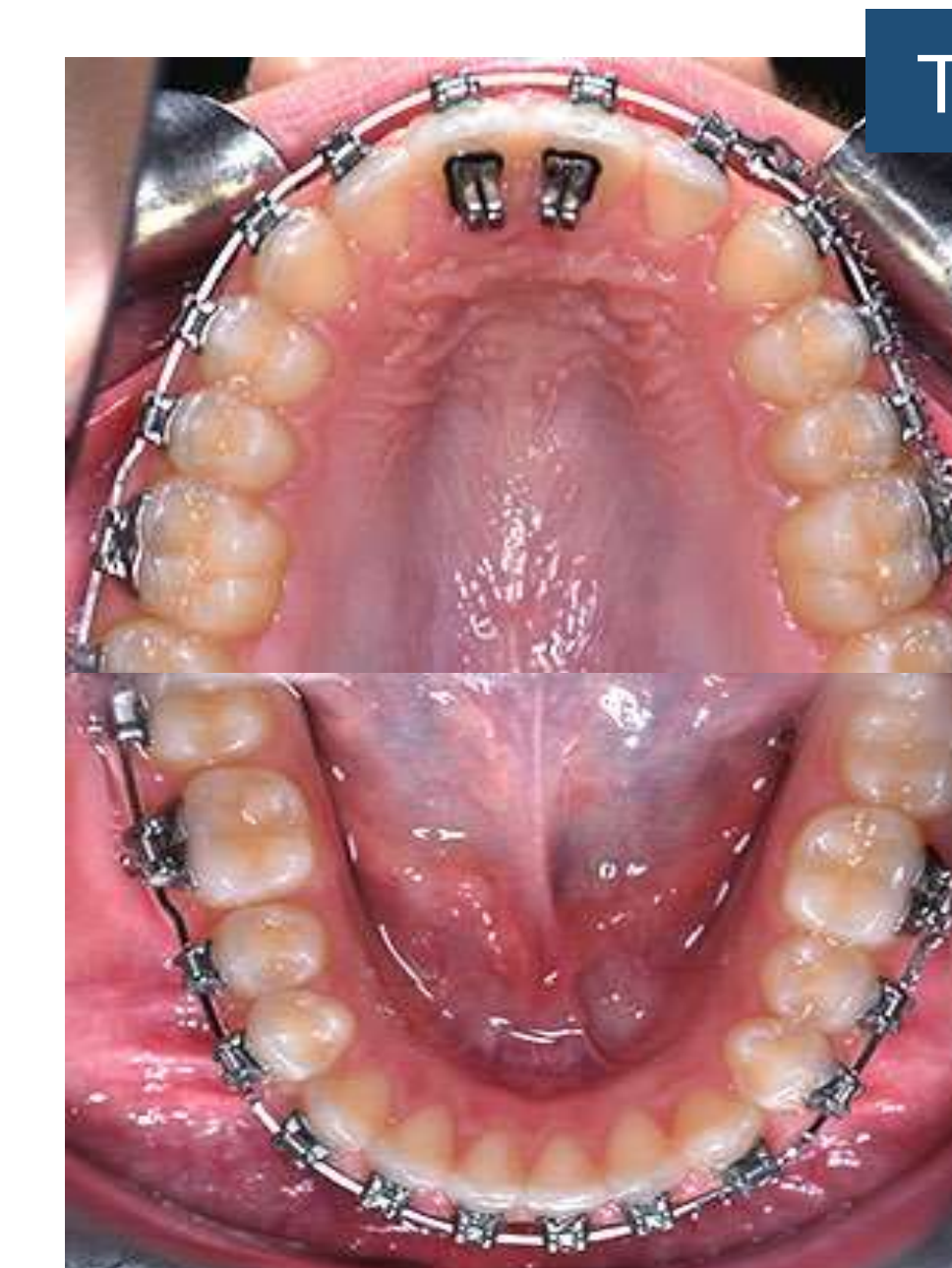


T3



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References:

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