

Management of skeletal Class III with facial asymmetry using skeletal anchorage: 4-year follow-up

Tulika **Tripathi**¹, Shilpa **Kalra**¹, Priyank **Rai**¹

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Introduction: Skeletal Class III malocclusion with asymmetry is one of the most difficult problems to correct in orthodontics. A functional shift of the mandible in growing patients may occur accompanying a Class III, due to constricted maxillary arch and occlusal interferences. Studies have indicated that posterior unilateral crossbite develops early and has a low rate of spontaneous correction. It may further lead to development of mandibular and facial asymmetry by growth and displacement of mandible if left untreated in growing patients.

Objective: This article reports the clinical case of a thirteen-year-old female patient in CVMI transition stage that had maxillary hypoplasia with a developing facial asymmetry.

Results: The case was successfully managed with bone-anchored facemask therapy and with elimination of occlusal interferences with guided occlusion. Reverse twin block in the retention phase maintained the results achieved.

Conclusion: A four-year follow-up evaluation revealed successful maintenance of the treatment results.

Keywords: Maxillary hypoplasia. Facial asymmetry. Skeletal anchorage.

* Access www.scielo.br/dpjo to read the full article.

¹Maulana Azad Institute of Dental Sciences, Department of Orthodontics and Dentofacial Orthopaedics (New Delhi, India).

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Contact address: Tulika Tripathi
E-mail: drtulikatripathi@yahoo.com