

Interdisciplinary treatment of skeletal open bite-case report

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Abstract

Background: Surgical-orthodontic treatment in the literature is the most recommended treatment for skeletal open bite as orthodontic anomaly. Through this case report we represent the results of skeletal open bite with interdisciplinary orthodontic-prosthodontic treatment approach.

Methods and materials: Adult patient 22 years, came in our Clinic for consultation. After the clinical examination, anamnesis and radiographic analyses, we established presence of skeletal open bite, hipodontia of lower second premolars and extraction of lower right first molar. The therapy plan consists of orthodontic fixed appliance in first phase and prosthodontic treatment in second phase.

Results: In two years period with intrusion of posterior teeth and use of intermaxillary elastics for anterior teeth extrusion, we have achieved satisfying results with the curve of Spee leveling and over bite of 2 mm. At the end of the orthodontic treatment we did prosthodontic rehabilitation with fixed prosthodontic restorations in the lower posterior part.

Conclusion: Satisfying results from the interdisciplinary treatment and the satisfying smile of the patient for the therapeutic team presented satisfaction and motivation for further interdisciplinary collaboration in skeletal open bite cases. The patient's facial appearance was markedly improved, and she achieved a functional and stable occlusion after this treatment.

Key words: Open bite, orthodontic treatment, prosthodontic treatment.