

PP16: PHYSIOPLASTIC* CHANGES OF THE FACE AFTER DEEP BITE CORRECTION: A CASE REPORT

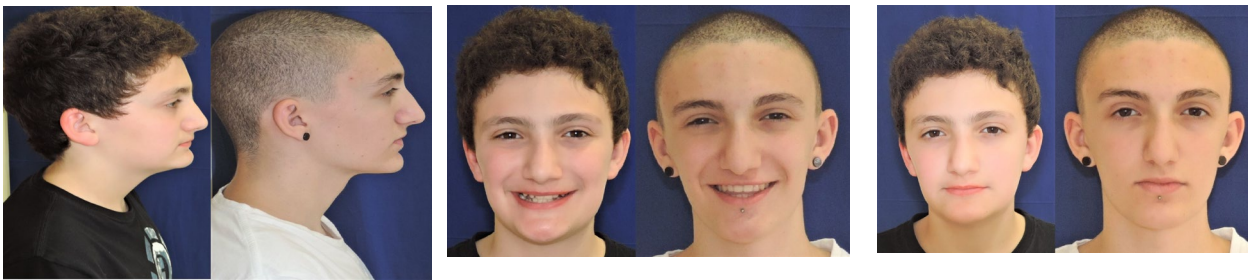
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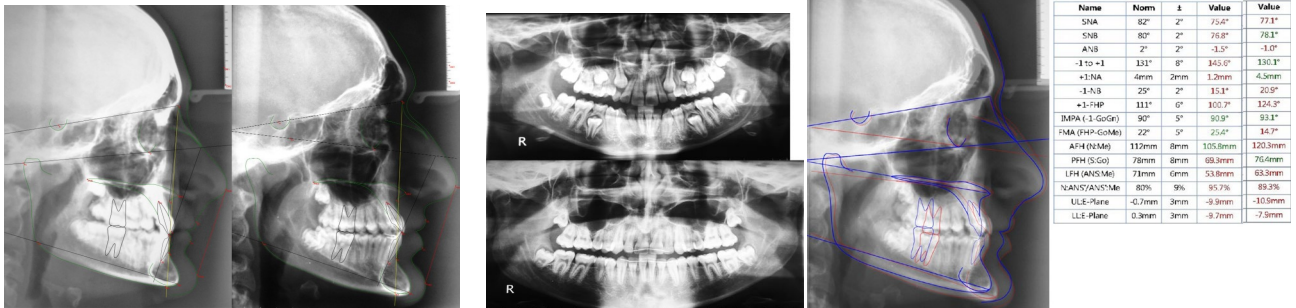
Introduction: Deep bite treatment poses a frequent challenge in clinical orthodontics. Most of the times without resolving the deep bite orthodontic treatment can not proceed. This case intends to show the morphological changes of the face after deep bite correction. The fact that the patient was a teenager emphasizes the importance of proper timing for maximizing the proaging effects of orthodontic treatment.

Case presentation: Patient was an eleven years old healthy boy in late mixed dentition, with Class I skeletal and dental malocclusion. His upper and lower anterior teeth had severe crowding. The upper right permanent canine was unerupted due to lack of enough space. The mandibular left canine had a crossbite. Patient had a five millimeters overbite with hypodivergent skeletal pattern and retroclined upper and lower incisors. He underwent a two year non extraction treatment with fully-banded orthodontic appliances.

Pretreatment and Post-Treatment Records: Evaluation of before and after treatment **facial photos** shows elimination of the submental fold, a decrease of the nasiolabial angle, improvement of the head posture and a wider smile.



Cephalometric analysis of pretreatment and post treatment shows the increase of the anterior, the posterior and the lower face height, proper angulation of the upper and lower incisors and improvement in the lip fullness.



Four years after treatment patient showed some relapse in the dental occlusion due to discontinue of upper retainer usage and slight mandibular prognathism growth pattern. However the patient was very happy with the overall treatment results.



Conclusions: The correction of a deep bite with natural means poses a unique treatment modality of orthodontics and has long lasting effects in the facial appearance.

* following or being in accord with nature (Meriam Webster Dictionary)
<https://www.merriamwebster.com/dictionary/physioplactic>