

A Inadvertent Calamity Caused by the Confluence of Two Very Common Orthodontic Appliances - Class II Elastics and Lower Aligners...



Meet A A, 35 year old female

- She was concerned about her Overjet & Lower Jaw shape
- But declined Jaw Surgery, Braces or Upper Extractions
- We settled on Upper IPR, Aligners and Class II elastics

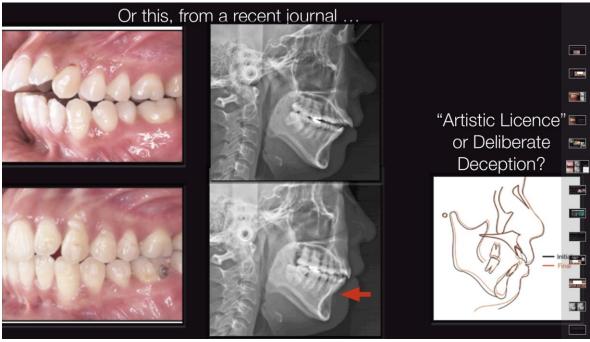


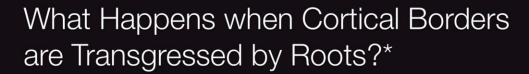






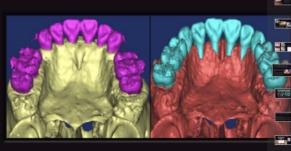






*Guo et al. / J Zhejiang Univ-Sci B (Biomed & Biotechnol) 2011 12(12):990-997

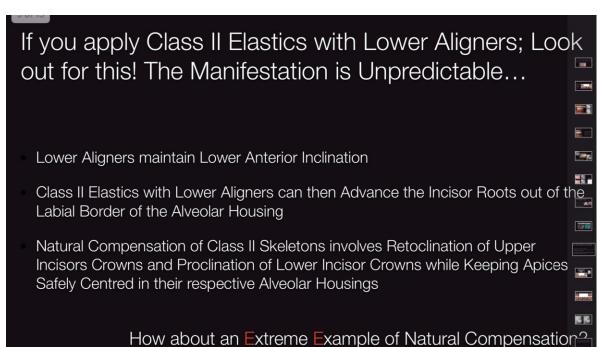
- This article showed Average 27% Palatal Bone Height loss when TADs were used to Retract Upper Incisors Through the Palatal Cortex
- The same phenomenon likely happens when lower anteriors transgress the labial plate
- We finally have a way to Keep Lower Incisors "Upright" with Long term Class II elastic use
 - And The Result can be Tragic ...



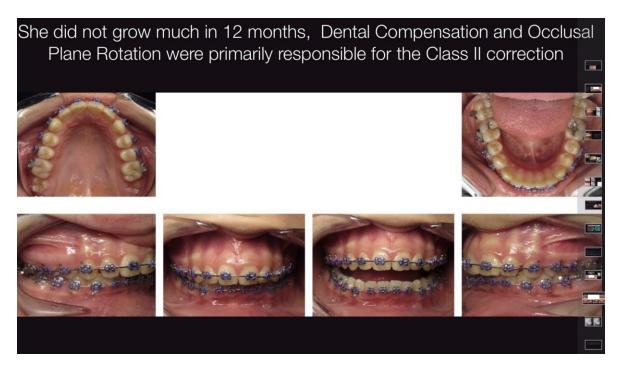
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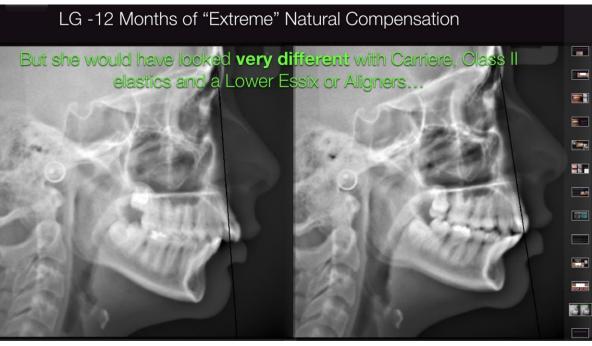
Here is another Example from a recent UCSF CBCT study* *Hoang et al. Progress in Orthodontics :(2016)1722 DOI 10.1186/s40510-016-0135-z Before Treatment After Treatment

- Patient treated with Full Fixed Appliances
- Witness the full expression of a MBT type prescription on a well compensated skeletal Class II
- Significant Root Resorption in addition to Housing Violation









Class II elastics combined with Clear Overlay Appliances have a strong propensity to position the lower incisors anteriorly (and unnaturally) outside of the Alveolar Housing

It is time we wake up to this Epidemic ...before it's too late...