

Class II Non-Extraction
Male, 12:4 yrs.

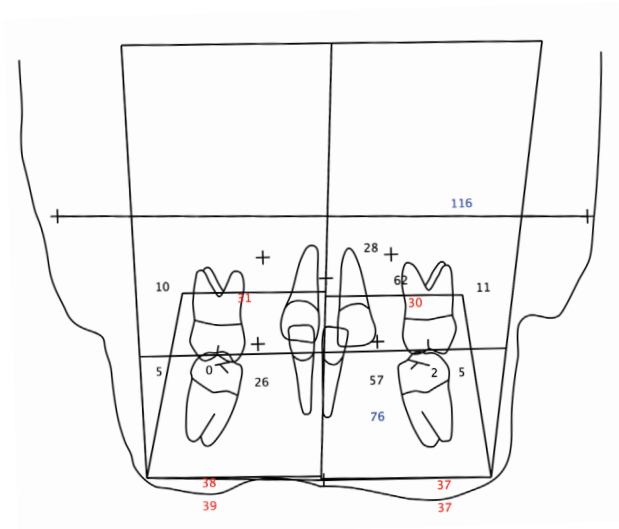
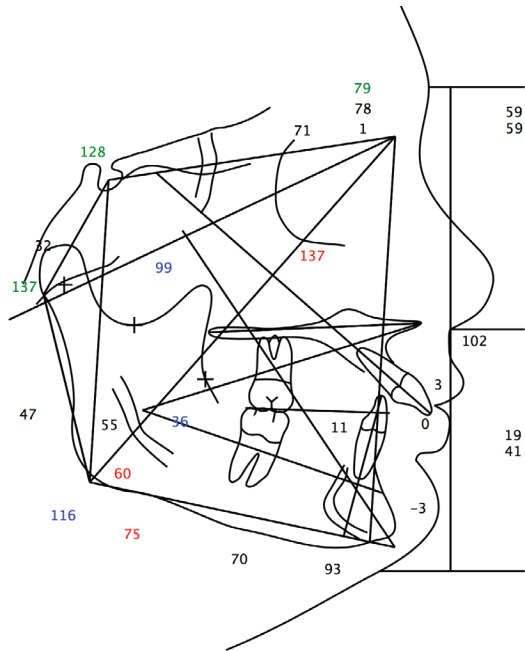


Initial extraoral photos



Intraoral photos before treatment.

Pre Tx



Case summary:

12:4 yo Male with a Class II division 1 malocclusion. He is low angle with a good mandibular body as well as ramus height. Excessive proclination of upper incisors with a deep curve of Spee. Skeletal transverse dimension is normal (Mx-Mx 62mm, Ag-Ag 76mm).

Tx Strategy by Stages:

Stage I: Leveling and aligning, correct all rotations and tip of incisors. Start leveling curve of Spee.

Stage II: Coordinate upper and lower arches, leveling curve of Spee with a 0.019" x 0.019" SS with reverse curve of Spee added manually. Use INITIALLOY compressed coils and Class II elastics to help with Class II correction.

Stage III: Achieve optimal intercuspation of the buccal segment using vertical triangular elastics.

Appliance:

CCO System

Auxiliaries:

INITIALLOY compressed Coils

Elastics 3/16" 4oz (Piano).

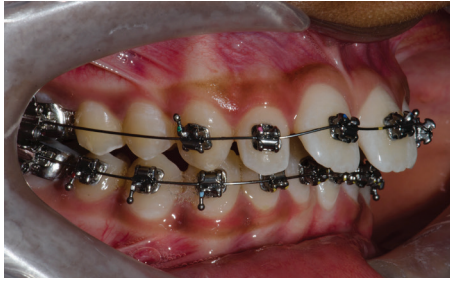
Wire Sequence:

Stage I: 0.014" INITIALLOY Medium.

0.020" x 0.020" BioActive Medium Coordinated.

Stage II: 0.019" x 0.019" SS Medium Coordinated.

Stage III: 0.019" x 0.019" SS Braided Coordinated.



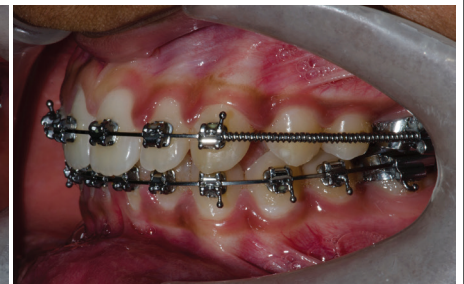
Stage I. EXPERIENCE CCO System with upper and lower 0.014" INITIALLOY Medium wires. Upper premolars were skipped in order to facilitate the placement of the compressed INITIALLOY coil.



Stage I. Upper and lower 0.020" x 0.020" BioActive Medium Coordinated wires.



Stage II. Upper and lower 0.019" x 0.025" SS Medium Coordinated wires. Wires must be coordinated before placement. Compressed INITIALLOY coils were added between upper canines and first molars. Class II elastics 3/16", 4oz (Piano). Reverse curve of Spee added manually to lower wire.



Stage II. Upper and lower 0.019" x 0.025" SS Medium Coordinated wires. Notice how the lower archwire is now much more leveled. Right side in Class I, Left side almost in Class I at the molars, still end on at the canines. However, there is space distal of upper canine to move the anterior teeth back to a Class I and correct the midlines.



Stage II. Upper and lower 0.019" x 0.025" SS Medium Coordinated wires. Upper and lower occlusal planes leveled and paralleled. Sentalloy coils were removed. Elastics short Class II 3/16" 4oz (upper 3, lower 5).



Stage II. Upper and lower 0.019" x 0.025" SS Medium Coordinated wires. Spaces are consolidated. Power chain upper 3 to 3. Good Class I on both sides. Start vertical triangular elastics 3/16" 4oz (upper 3, lower 3 and 4).

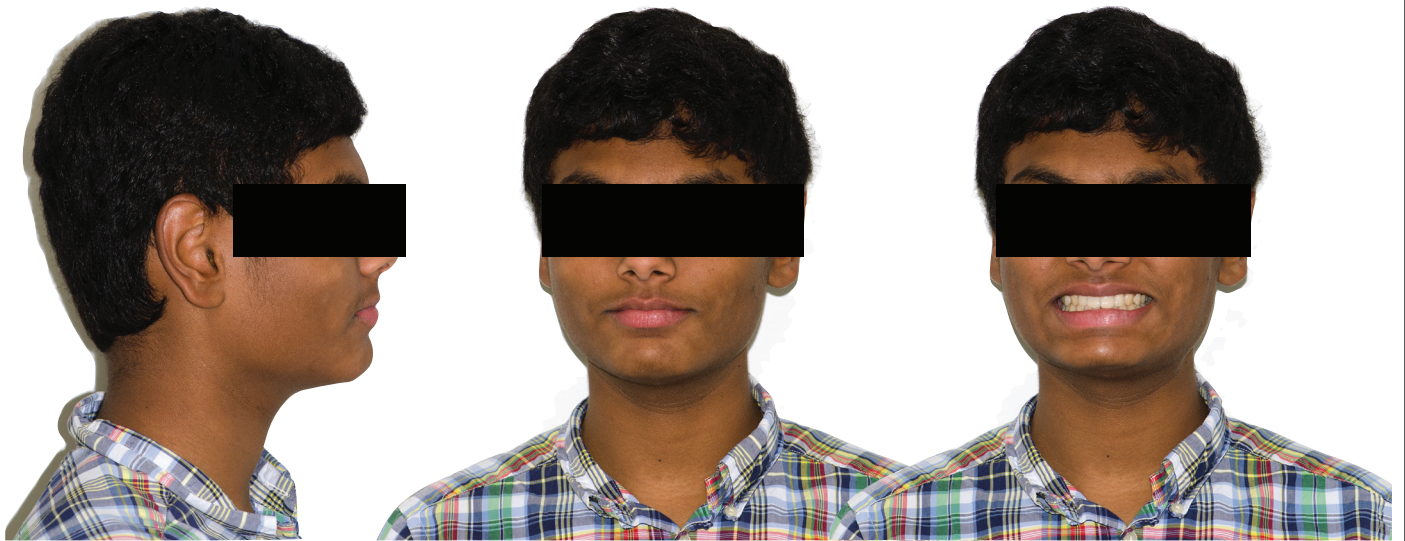


Stage III. These pictures were taken just before we changed the upper archwire. 0.019" x 0.025" SS Braided Medium Coordinated wire was used only in the upper arch. Vertical triangular elastics 3/16" 4oz were used until braces were removed.



Intraoral final photos. 24 months of active Tx.

It is important to clarify that the active Tx could have been several months shorter. Patient "disappeared" for 7 months (family reasons) toward the end of Tx.

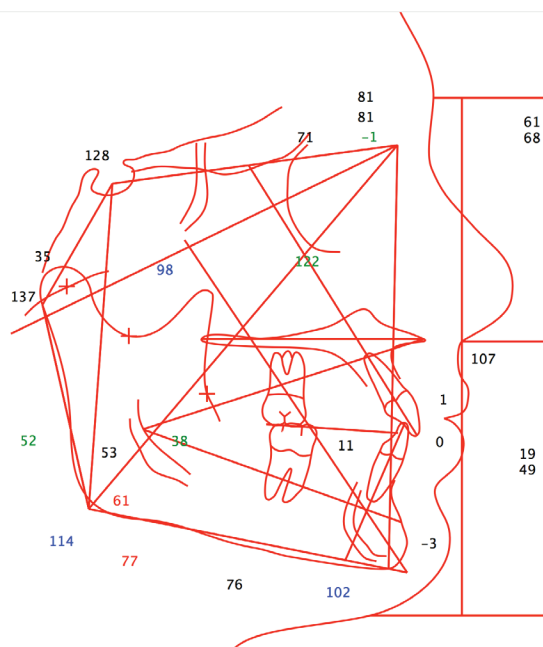


Extraoral final photos.



Intraoral final photos.

Post Tx



Superimpositions

