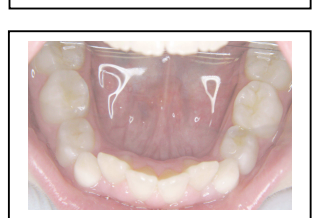
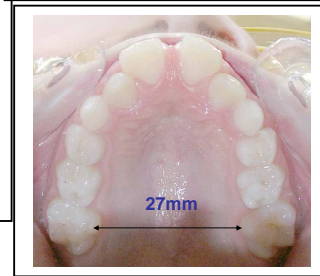
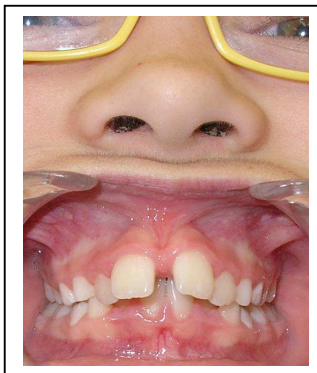
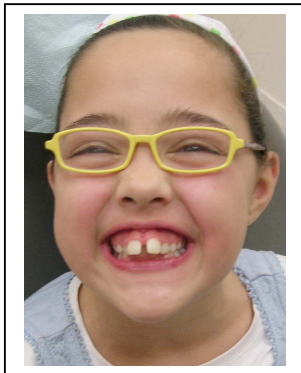
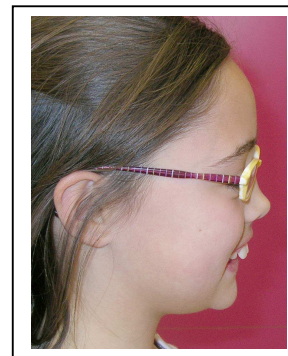


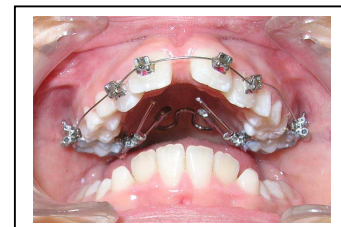
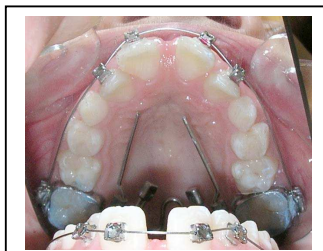
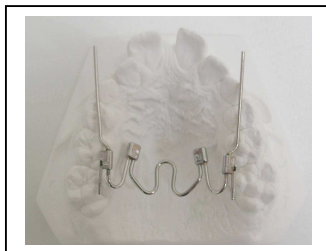
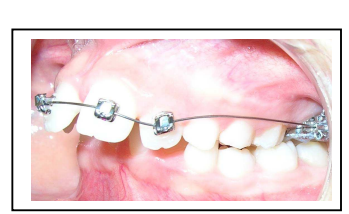
Female 10.5 dental years Full CLII div 1 OJ = 15 OB = 8 Wits = +5



SNA = 82
 SNB = 75
 Mx1 to NA = 34°
 Mx1 to NA = 10
 Md1 to NB = 21°
 Md1 to NB = 3
 Md1 to A-Pog = -2
 GO-GN to SN = 35°
 Wits = +5



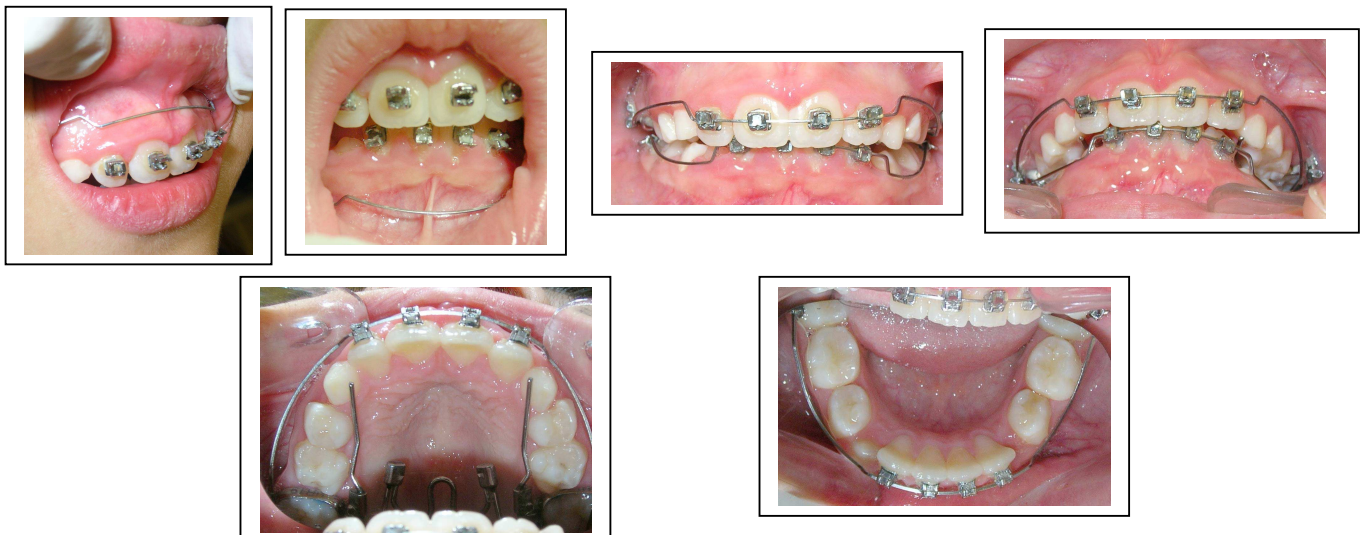
1st month :MAX: NiTi Exander size 30 (will provide ~7mm expansion); 16 HA NiTi wire with Bend Back's (BBs).



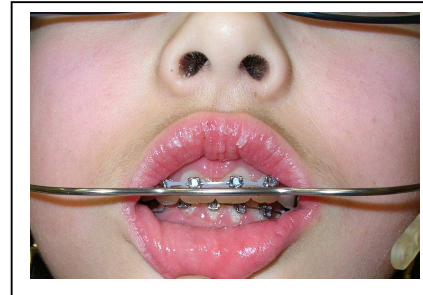
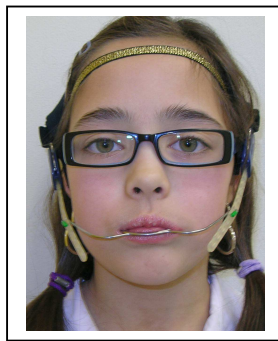
3rd month: MAX: 16x22 NiTi Intrusion arch wire (pre-formed (see photos), Bend Back's and Long-Loop chain 12 to 22. MAND: Bracketing, 16 HA NiTi wire, no BBs
Notice *the widening of the palate*.



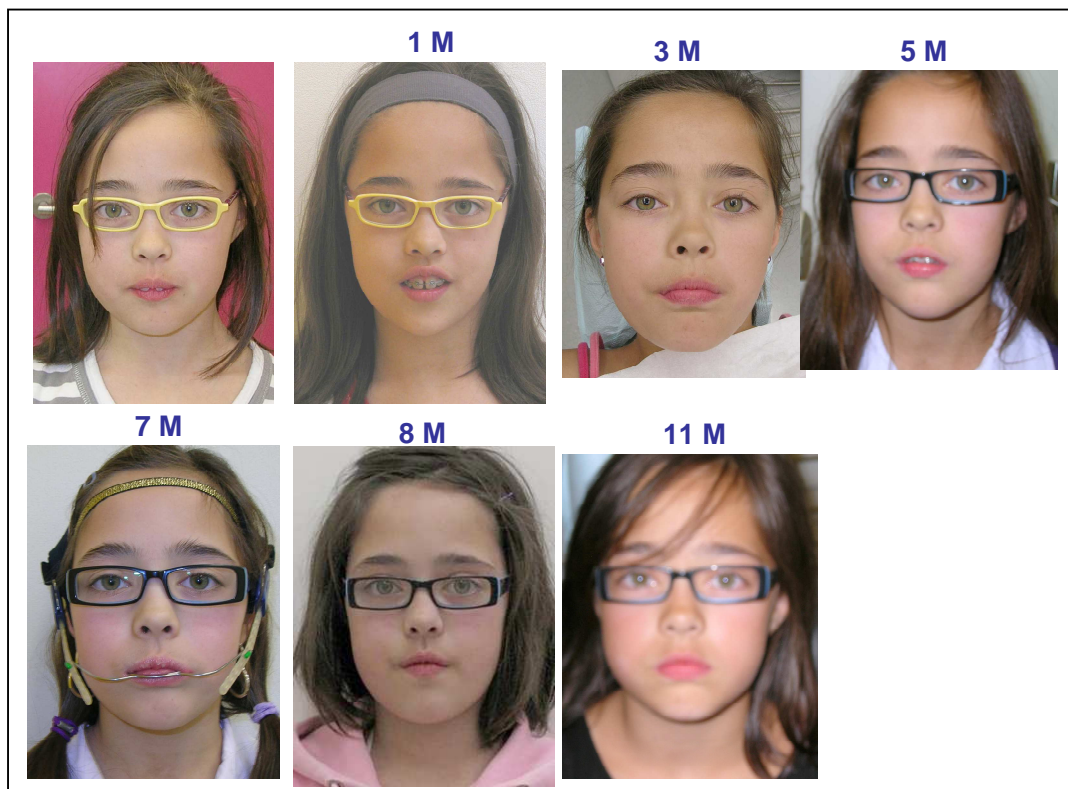
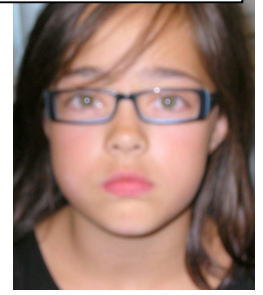
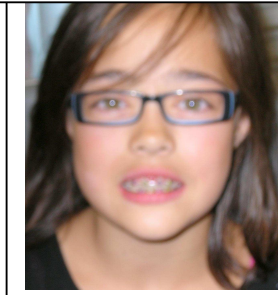
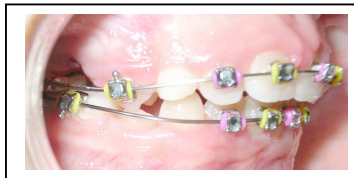
5th month: MAX: Expander is completely opened (notice the palatal expansion). Same 16x22 NiTi Intrusion wire
MAND: New 16x22 NiTi Intrusion wire. (Incisors are upright and lingual to the A-Pog line and can tip forward up to 3mm).

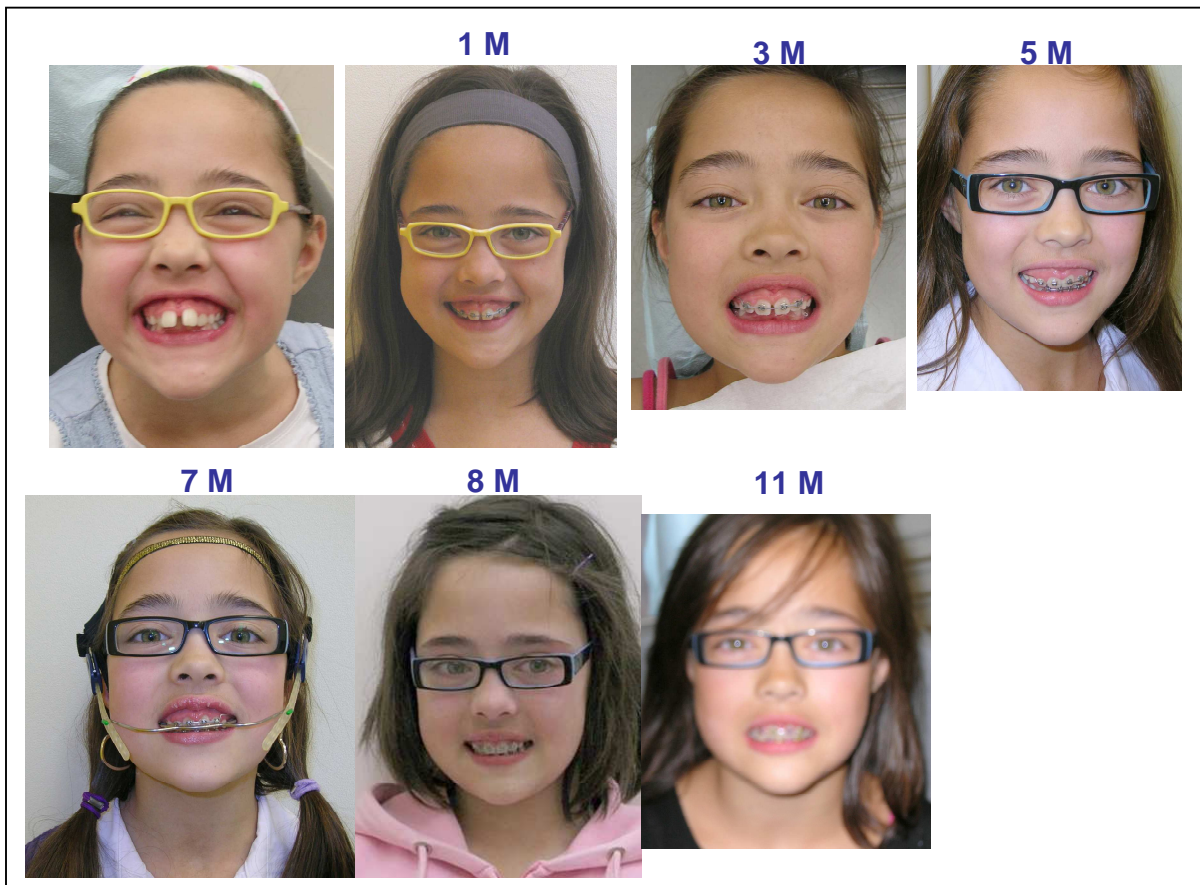


Placed Hi-pull Head Gear with 600 gram occipital force; must wear 16/24 hours or more. This is used to modify the maxillary growth (slow it down) and to provide vertical anchorage for the maxillary molars



11th month: the combination of palatal expansion and bite opening un-locks the mandible from its disto-occlusion and thus allows the patient to posture forward into a CLI position which in turn stimulates natural mandibular growth. And because the maxillary growth has been modified the patient has obtained better lip closure and the profile has been improved.





17th month :

MAX: 19x25 post-steel, 5mm acc C & 4mm expansion; L-L CH
MAND: 19X25 HA NiTi

