

NON SURGICAL CAMOUFLAGE TREATMENT FOR SKELETAL CLASS III HIGH ANGLE

Dr. Anie Beria ,Dr Dennis Lim (Advisor) , Dr. Ronaldo Vergara(Dept head)
Dept. of Orthodontics , University Of the East, Manila

Skeletal class III is one of the most prominent type of malocclusion. This is characterised by maxillary retrognathia, mandibular prognathism or both. This may cause discomfort to the patient while speaking clearly and eating. This type of malocclusion causes patients to become conscious about their looks, decreasing their self esteem in certain people. For the management of these complicated cases, a multidisciplinary approach is required along with patient compliance. Treatment options may include orthognathic surgery of one or both the jaws or camouflage treatment by orthodontics to reverse the anterior cross bite and improve the profile and function of the patient.

HISTORY

22 years male patient reported to Department of Orthodontics at University of the East, Manila with a chief complaint of difficulty in speaking and eating. He was undergoing orthodontic treatment in his Province but was unable to continue it for more than an year due to personal reasons. During this treatment , the upper first premolars were extracted . He had no relevant

EXTRAORAL EXAMINATION



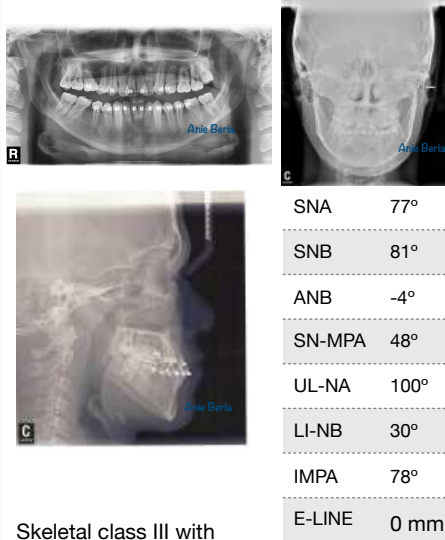
- Asymmetrical face
- Concave profile

INTRAORAL EXAMINATION



- I. Molar relation- mutilated
- II. canine relation class III
- III. Locked #12 #22
- IV. posterior cross bite
- V. Overjet=-6mm
- VI. Underbite=4mm
- VI. Bolton analysis=-3.1mm mandibular excess

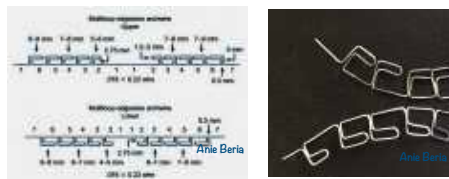
RADIOGRAPHIC EXAMINATION



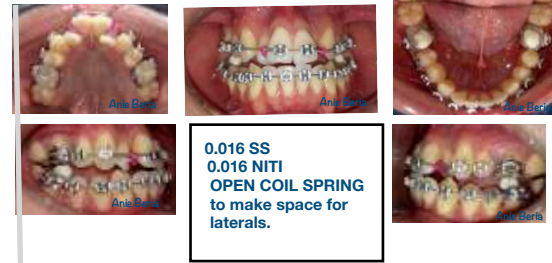
Skeletal class III with prognathic mandible, retrognathic maxilla , proclined upper and lower incisors. Mandible deviated to left

MECHANOTHERAPY

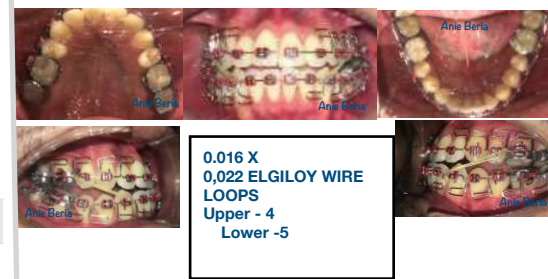
- Extraction of upper 3rd molars
- Levelling and alignment
- Multiloop Edgewise Arch Wire therapy**
 - Elimination of occlusal interference
 - Establish mandibular position
 - Occlusal plane reconstruction
 - Obtain physiology occlusion



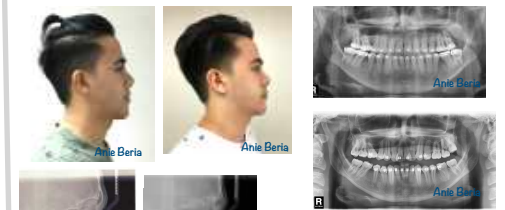
LOOPS used to reduce the load deflection rate , providing small but continuous force on the teeth
SHORT VERTICAL ELASTICS will reconstruct the occlusal plane and correction of the sagittal relation of mandible
TIP BACK ACTIVATION for uprighting the posterior teeth



MEAW- Multi Loop Edgewise Archwire



PROGRESS



	Pre	progress
SNA	77°	78°
SNB	81°	81°
ANB	-4°	-5°
SN-MPA	48°	46°
UL-NA	100°	113°
LI-NB	30°	26°
IMPA	78°	79°
E-LINE	0	0mm