

SKELETAL ANALYSIS

1. **SNA Position of the Maxilla**
SNA 82° Normal Maxilla
SNA 90° Prognathic Maxilla
SNA 75° Retrognathic Maxilla
2. **SNB Position of the Mandible**
SNB 80° Normal Mandible
SNB 85° Prognathic Mandible
SNB 72° Retrognathic Mandible
3. **ANB Relationship of Mandible to Maxilla**
Class I ANB 0° - 4°
Class II ANB + 5° or more
Class III ANB -1° or less
4. **Mandibular Plane to Sella Nasion Line**
NsGoM 32° ± 3° Normal
NsGoM 36° + Vertical grower
NsGoM 31° or less, Horizontal grower
5. **Upper Face Height mm**
Nasion to ANS
6. **Lower Face Height mm**
ANS to Menton
7. **Pg to NB**
Profile
8. **NAP**
Profile
9. **WITS**
Class I Male -1 mm to +3 mm
Class I Female -2 mm to +2 mm
10. **Maxillary Length**
Condylion to A point
11. **Mandibular Length**
Condylion to gnathion
12. **N ⊥ A**
A point to nasion perpendicular
Position of Maxilla
13. **N ⊥ Pg**
Pogonion to nasion perpendicular
Position of Mandible
14. **Upper Gonial Angle**
Mean value 52° - 55°
Horizontal grower
15. **Lower Gonial Angle**
Mean value 70° - 75°
Vertical grower more than 75°

DENTAL ANALYSIS

1. **I To NS**
Upper incisor to NS (102°)
More than 108° Flared incisors
Less than 96° Vertical incisors
2. **T To GoM**
Lower incisor to mandibular plane (95°)
More than 105° Flared incisors
Less than 85° Vertical incisors
3. Interincisal angle
Angle between upper and lower incisors
4. **I To NP**
Upper incisor to NP line (5 mm.)
5. **T To AP**
Lower incisor to AP line (0-3 mm.)
6. **I To ANS**
Upper incisor to ANS 30 mm.
7. **T To M**
Lower incisor to menton 40 mm.