MARVELS OF ORAL & MAXILLOFACIAL SURGERY

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OMFS Bridges Medicine & Dentistry

Humble Beginning

Dento-alveolar Surgery

Oral Surgery

Oral & Maxillofacial Surgery

Craniofacial Surgery

Head & Neck Surgery
Advances in Medicine & Allied Sciences

• Investigations

• Imaging Techniques

• Medications

• Surgical Techniques

• Instrument Technologies

• Biotechnology

• Information Explosion

OMFS too kept the pace
Trauma

IMF,

Trans osseous wiring

Rigid fixation – Plating

Stainless Steel

Titanium

Bioresorbable
Cleft lip & Palate

Facial Clefts

Craniofacial Anomalies
1 Distraction Osteogenesis

2 Implantology

3 Maxillofacial Oncosurgery

4 Microvascular Reconstructive Surgery
IMF
Intermaxillary Fixation
Reconstruction Plate Mandible
Nasoetmoidal Fractures
TUMOURS
AMELOBLASTOMA
MAXILLARY TUMOR
RECONSTRUCTED WITH TMF FLAP
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FACIAL PROPORTION
Beauty is no more skin-deep

Deft carpentry on bone

Move the segments in all three dimensions of space

Alter the shape & size

Towards better esthetics & function.

Painted face or a sculptured face?
Analysis of beauty

Is proportions simple notions?
Prediction tracing - mandible

Go wrong and face the music.
Over enthusiasm predicts doom.
- Vertical and sagittal excess of maxilla - Protruded upper jaw, gummy smile.
- Facial asymmetry – Occlusal cant.
- Retruded maxilla – Hypoplastic maxilla, Cleft lip & palate deformities.
Who is afraid of Gummy Smile?
Sagittal Split Osteotomy

Versatile procedure for both mandibular prognathism and retrognathism.
Facial Asymmetry

Pre-op

Post-op
Preoperative

Postoperative
As vertebrates climbed the ladder of evolution
Towards the goal of perfection
Brain enlarged for better cognition
Jaws lost many a function
Size suffered a gradual reduction
The seat of special sensory reception
Face moors the fine human expression
And aimed for the divine proportion