RHINOPLASTY

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Anatomy of Nose

SURFACE ANATOMY

OSSEOUS ANATOMY

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CARTILAGEOUS ANATOMY
Before you start…. Rhinoplasty

• What does the patient want?

• Are the goals realistic?

• Does the patient want to preserve certain nasal features?

• Examination with pictures, computer modeling
Why does the patient want Rhinoplasty
(Patient’s words)

• Un-operated cleft or craniofacial deformity
• Deformity resulting from previous cleft surgery
• A bump on the nasal bridge
• Nose appears too wide
• Drooped or plunged the nasal tip
• Thickened or enlarged nose tip
• Excessively flared nostrils
• Crooked nose
• Asymmetrical nose due to previous injury
Pathology of the nose
Cause of Deformity
(Surgeon’s Assessment)

• Congenital (Cleft or craniofacial defect)

• Anatomic (Hemiplasia, Aplasia, Duplication)

• Esthetic (Hump on the nose)

• Functional (Deviated Nasal Septum)

• Pathologic (Obstruction due to growth in the nose)

• Traumatic (Traumatic injury of the nose)
Anatomic Nasal Defects

Nasal Aplasia

Hemi Nasal Aplasia

Nasal Duplication
Esthetic Nasal Deformities

- Broad Nose
- Beaked Nose
- Short Nose
- Long Nose
Functional Nasal Deformities

Deviated nasal septum
Pathologic Nasal Deformities

Rhinopyoma

Hemangioma
Traumatic Nasal Deformities

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Nasal Assessment - Frontal

- Straightness
- Bony-cartilagenous transition
- Tip bulbosity
- Tip definition
- Alar columellar relation
Nasal Assessment - Profile

- Radix
- Dorsal height
- Tip projection
- Tip relation
- Alar columellar relation
- Naso labial angle
- Caudal septum
- Chin projection
Nasal Assessment - Basal

- Dorsal line
- Triangularity
- Tip definition
- Nasal symmetry
- Alar base width
TYPES OF RHINOPLASTY

• CLEFT
  – Unilateral
  – Bilateral

• ESTHETIC
  – Augmentation
  – Reduction
  – Tip
  – Hump removal
  – Deviated nose

• TRAUMATIC

• RECONSTRUCTIVE

• COMPLEX
ESTHETIC RHINOPLASTY
Augmentation Rhinoplasty
Augmentation Rhinoplasty

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Augmentation Rhinoplasty
Tipoplasty
Tipoplasty

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Deviated Nasal Septum Correction
Deviated Nasal Septum Correction

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TRAUMATIC RHINOPLASTY
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