The Precision of Template Rhinoplasty

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Disclosure of Relevant Financial Interests

• Nothing to disclose
Objective

• To determine a new stable nose profile
  – Calculate soft tissue changes that control the tip tripod position

- Lateral alar ligament
- Elastic cuff
- Depressor septi muscle
- LAL shortening
- Mucosa excision above EC
- Caudal margin cartilage excision
Objective

• To determine a new stable nose profile
  – Calculate soft tissue changes that control the tip tripod position
  – Add a dorsal reduction that matches the tip
Objective

• To determine a new stable nose profile
  – Calculate soft tissue changes that control the tip tripod position
  – Add a dorsal reduction that matches the tip
  – Make a template to gauge the changes

Polycarbonate sheet
Closed rhinoplasty preferred

- Better skin control because tip skin moves with the tip skeleton

Tip skin remains attached to alas
Closed rhinoplasty preferred

- Better skin control because tip skin moves with the tip skeleton
- Can safely detach soft tissue from the whole of the pyramid and move it back towards the narrowed pyramid base
Closed rhinoplasty preferred

• Better skin control because tip skin moves with the tip skeleton
• Can safely detach soft tissue from the whole of the pyramid and move it back towards the narrowed pyramid base
• Greater nasal reductions are possible compared with open rhinoplasty
Operative procedure

- Inject beneath the elastic cuff and release it from the caudal margin
Operative procedure

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• Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
Operative procedure

• Inject beneath the elastic cuff and release it from the caudal margin
• Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
• Shorten lateral alar ligaments
Operative procedure

- Inject beneath the elastic cuff and release it from the caudal margin
- Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
- Shorten lateral alar ligaments
- Totally release soft tissue from pyramid

Aquaplast splint for 6-8 days then wear splint at night for up to 6 weeks
Operative procedure

- Inject beneath the elastic cuff and release it from the caudal margin
- Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
- Shorten lateral alar ligaments
- Totally release soft tissue from pyramid
- Low to osteotomies and in-fracture
Operative procedure

- Inject beneath the elastic cuff and release it from the caudal margin
- Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
- Shorten lateral alar ligaments
- Totally release soft tissue from pyramid
- Low to osteotomies and in-fracture
- Bone grafts into osteotomies

Kaltostat pack for 2 days
Aquaplast splint for 6-8 days then wear splint at night for up to 6 weeks
Operative procedure

- Inject beneath the elastic cuff and release it from the caudal margin
- Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
- Shorten lateral alar ligaments
- Totally release soft tissue from pyramid
- Low to osteotomies and in-fracture
- Bone grafts into osteotomies
- Reattach elastic cuff
Operative procedure

- Inject beneath the elastic cuff and release it from the caudal margin
- Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
- Shorten lateral alar ligaments
- Totally release soft tissue from pyramid
- Low to osteotomies and in-fracture
- Bone grafts into osteotomies
- Reattach elastic cuff
- Kaltostat pack for 2 days
Operative procedure

• Inject beneath the elastic cuff and release it from the caudal margin
• Inter-cartilaginous or supra-cartilaginous incisions extend to pyriform margins
• Shorten lateral alar ligaments
• Totally release soft tissue from low to osteotomies and in-fracture
• Bone grafts into osteotomies
• Reattach elastic cuff
• Kaltostat pack for 2 days
• Aquaplast splint for 6-8 days then wear splint at night for up to 6 weeks
Results

2 months post-op
Results

1 year post-op

Template on life size photograph confirms stability
Results

6 years post-op
The concepts behind Template Rhinoplasty were first presented to the Australasian Society of Aesthetic Plastic Surgery in 1989.