MODIFIED VERTICAL DOME DIVISION

WITHOUT DELIVERY OF LATERAL CRUS

The Bizrah Modification

The author has developed a new technique which is based on the Goldman’s tip and the I-beam medial crura but without delivery of the lateral crura in order to keep an intact rim and avoid any problems along the alar rim

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The concept is to limit tip surgery to the midline in order to avoid late problems on the alar sidewalls such as retraction, collapse, notching, deviation and asymmetry (25%).

- Less surgery (incisions & undermining)

Less wound contracture, scarring and fibrosis

less late problems (15%)
The principles are:

1. Vertical dome division
2. Medial crus delivery and I-beam
3. No lateral crus delivery
**MARGINAL COLUMELLAR INCISION** from midcolumella and up to the level of the external soft triangle at the junction of intermediate to lateral crura.

*Elevate the tip with 13 mm sharp double hook in order to obtain symmetry*
Vertical dome division: the incision is now extended just lateral to the external soft triangle at a right angle backward to meet the internal soft triangle dividing the vestibular skin and cartilage.
The bilateral intermediate and medial crura are delivered to one side.
**Columellar Strut**

*A pocket is created between the medial crura, and a columellar strut is inserted and sutured to both medial crura*
I-Beam Medial Crura
No Lateral Crus Delivery
Correct Tip underprojection & Tip overprojection
When required, a shield Tip graft is positioned And sutured to the Caudal margin of the Intermediate and medial crus. The graft should be crushed and beveled in order to avoid demarcation.
Retrograde conservative cephalic trim of lateral crus

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Two septocolumellar sutures are then used to fix the medial crura/columellar strut complex to the caudal septum.
Approximating Sutures of Lateral Crura

- **Endonasal Simple suture through the bilaletral medial portion of cephalic lateral crus**

- **Advantages**
  - More definition of supra alar and supra tip
  - Stabilize the I-Beam

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Approximating Sutures Of Lateral Crura
Tip Refinement
Advantages of Modified Vertical Dome Division

The Bizrah Modification

1. Correct tip under-projection
2. Correct tip over-projection
3. Correct short columella
4. Correct supra-alar fullness
5. Good assessment of tip/dorsum relation
6. In revision cases when lateral crus delivery is technically difficult

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