



Nasal Reconstruction in Traumatic Nasal Injury— Lateral Nasal Artery Perforator Flap Application in Case Report

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Nothing to disclose

Brief History

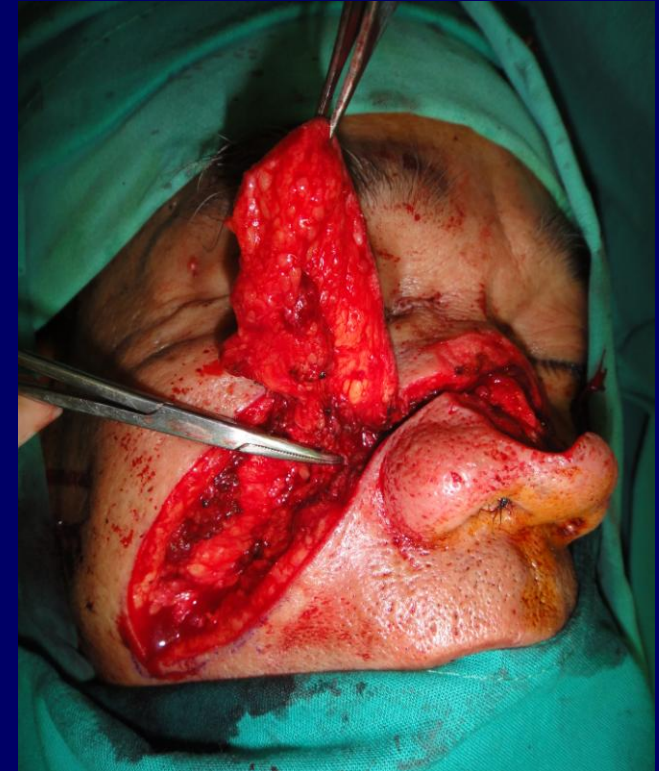
- 85/M farmer, with **DM**, **HTN**
- **Traumatic injury by knife** → subtotal nasal amputation
- **4*4 cm open wound with skin and soft tissue defect, deep into cartilage level**
- **Nasal sidewall, dorsum, bil. ala all involved**
- **Tip partial involved**



Flap Design and Surgical Approach



Facial artery



**Lateral nasal artery
and perforator**

Flap Elevated And Divided



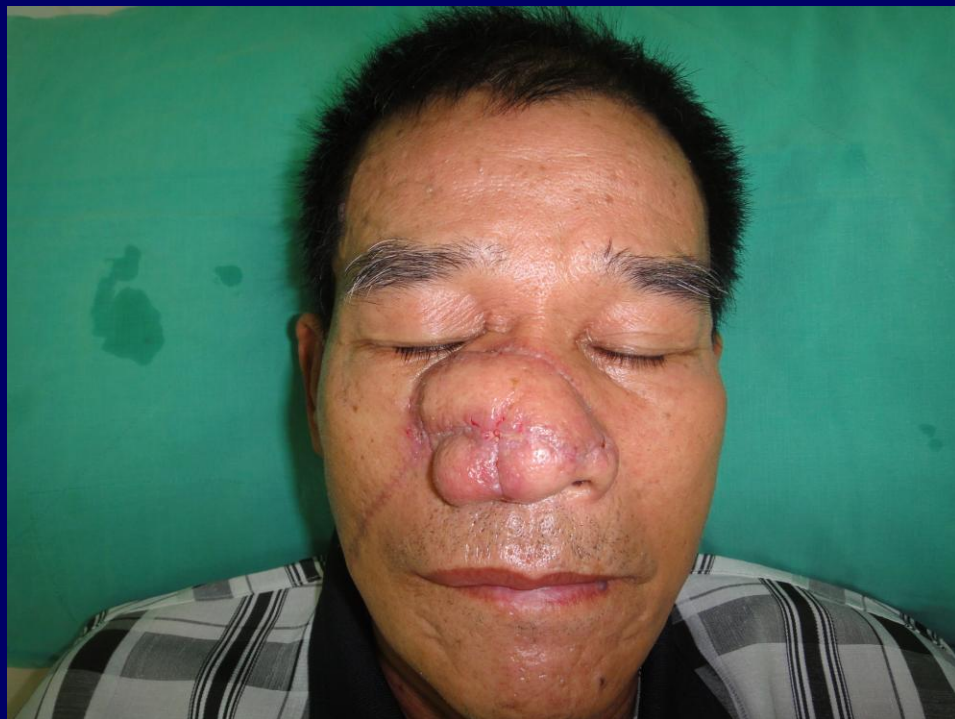
Flap Inset and Immediate Post-OP



**Perforator
was seen**

**Lateral nasal artery perforator
flap and rotate 135 degree**

2 Weeks Follow Up



1 Month Follow Up



Mild depressed nostril

18 Months Follow Up



The patient got very satisfied about his nose

Common Choices In Nasal Reconstruction

- Banner flap
 - Bilobed flap
 - Glabellar flap
 - Dorsonasal flap
 - Nasalabial flap
 - Cheek flap
 - Forehead flap
 - Scalping flap
 - Temporomasoid flap (Washio flap)
- Size (small or large)
 - Location (subunits involved)
 - Individual consideration....

LNA Perforator Flap

- Size and location of the defect
- The LNA perforator flap can be adopted for defects in any fashion **without any mobilizing restrictions**
- It can be rotated 90~180 degrees as a propeller flap or transposed or advanced
- **Venous congestion (30%, but all relief)**

One Stage verse Two stage ?

- Most were **two stage** and even three
- Literature showed that
 - LNA perforator flap not only contributes **thin and pliable soft tissue coverage** but also provide an one stage nasal reconstruction
- Individual consideration and patient's opinion

Summery

- The LNA perforator flap provided **pliable soft tissue coverage and enough volume in nasal reconstruction**
- **Donor site scar can be easily concealed**
- **Similar color, thickness and texture**
- **Need full evaluation and assessment, well communication and explanation**



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