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Vizle Deltpectoralis Flap

Dominant Pedicle: **Perforating branches of internal mammary artery**

Applications

Coverage

Middle and Lower Thirds of Face
Intraoral Cavity
Neck

Reconstruction

Esophagus

Microvascular Transplantation

Distant Coverage
Head and Neck

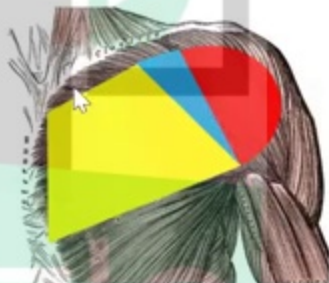


Figure 4a: 1st angiosome: yellow; 2nd angiosome: blue; 3rd angiosome: red

Three angiosomes (arterial/vascular territories) are included when extending a DP flap laterally over the deltoid (Figure 4a):

- **1st Angiosome:** IMA perforators extend from the lateral border of the sternum up to close to the deltopectoral groove (This area also receives some blood supply from musculocutaneous perforators arising from the pectoralis major muscle)
- **2nd Angiosome:** A small, but variable region of skin below the clavicle and medial to the deltopectoral groove is supplied by the thoracoacromial artery via a small direct cutaneous artery
- **3rd Angiosome:** The area over the deltoid muscle is supplied by musculocutaneous perforators arising from the deltoid branch of the thoracoacromial artery and the anterior circumflex humeral artery

Sandhya

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Fig. 5 a, b Post-operative images after flap division and flap revision and lower sub apical osteotomy for occlusal correction



Images at the end of tissue expansion of 250 cc

Fig. 1 Design of the bilobed forehead flap along with cutaneous turn in flap for restoration of the mucosal lining

J Maxillofac Oral Surg. 2014 Dec; 13(4): 568–574.

Published online 2013 Jul 4. doi: [10.1007/s12663-013-0549-9](https://doi.org/10.1007/s12663-013-0549-9)

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- **Allogenic:** Cadaveric bone Grafts
- **Xenogenic:** Bovine: DFBM,
 - Porcine etc..
- **Combination strategies:**
 - Rh-BMP + bone grafts/ substitutes- HA/B-TCP
 - Autologous bone marrow aspirate+ Hydroxyapatite/B-TCP

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