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Vizle Advancement Flap



FIGURE 9-16 ■ A, A 1.5 × 1.5-cm square of forehead skin outlined by sutures. Bilateral unipedicle advancement flaps (W-plasty) designed for repair of wound resulting from excision of square. B, Square excised and wound closed. Standing cutaneous deformity formed by tissue advancement removed superior to W-plasty. It was not necessary to remove standing cutaneous deformity inferior to W-plasty. C, Postoperative view at 4 months. No revision surgery performed.

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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

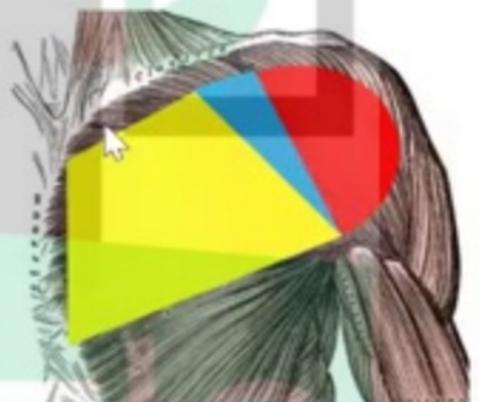


Figure 4a: 1st angiosome: yellow; 2nd angiosome: blue; 3rd angiosome: red

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 thoracocervical 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

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



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



Mahathi Nerall...

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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