

Scapular Fasciocutaneous Flap In Neck Contractures.

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KEY WORDS :

Cover

ABSTRACT :

A case where posterior neck scapular fasciocutaneous flap, as full thickness cover, for released post contracture neck is used, is presented and its merits are discussed.

INTRODUCTION :

The advent of the fasciocutaneous flap design at different sites has provided an alternative model for this selected tissue transfer. Our experience with a new cutaneous flap, the posterior neck scapular fasciocutaneous flap for cover of defects after release of P.B. C. neck is described.

CASE REPORT :

A 18 year old female presented with post burn neck contracture. A wide gap created following release of 8 cms. x 20 cms. needed a cover. A fasciocutaneous flap was planned with its base at right side of nape of neck 8 cms. in length. This was raised from shoulder and along with deep fascia and rotation transposition done in a single stage.

Photograph 1,2,3.

**Figurs :**

1. Pre-Operative Contracture Neck
2. Scapular Fasciocutaneous Flap Being Placed
3. Post-Operative Results.

A Plaster cast in the neck was given for 10 days. A ratio of length and breadth of 2.8 to 1 was maintained. The flap took well except marginal superficial necrosis. Two cms of which peeled off and healed within two weeks.

DISCUSSION

A fascio cutaneous concept was introduced by Ponten (1981) as a alternative type of local flap for lower extremity reconstructions. Incorporation of deep fascia enhances vascularity. Contribution of blood supply from deep fascia is well proved. It appears that superficial and sub fascial plexus exist, which can provide adequate blood supply to overlying skin and fatty sub cutaneous tissue. under cer-

tain conditions. Ponten (1981) in his study of 23 cases of lower leg flaps maintained the lenth breadth ratio of 2.5 to 1. Same ratio was maintained by Coien et al (1990) in his study of 13 cases. Tolhurst et al (1983) raised flap of 3:1 ratio which in our case was of 2.8 to 1.

CONCLUSION :

Posterior neck fasciocutaneous flap of 2.8 to 1 is dependable and a sure way to cover certain neck and face problems including post burn contractures.

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