

One More Use Of Foucher’s Flap

Dr. Abhiraj Jadhav, Dr. Komal Kolkar, Dr. Aditya Adsul, Dr. Mrunali Kolhe,
Dr. Ritika Gadwaje, Dr. Ananta Kulkarni

¹Intern, ²Intern, ³Intern, ⁴Intern, ⁵Intern, ⁶Head Of Department
Department Of Surgery
Bharat Ratna Atal Bihari Vajpayee Medical College, Pune, India

Date of Submission: 19-12-2024

Date of Acceptance: 29-12-2024

I. Introduction

Traditionally foucher’s flap is used for reconstruction of thumb injuries but another use of foucher’s flap is that it can be also used for palmar injuries.

II. Case Report

The first dorsal metacarpal artery islanded flap is a helpful flap for reconstructing thumb pulp deficits, according to Satish C. and Nema S. We would like to discuss an additional application of Foucher's flap for palmar defects in Indian J Plast Surg 2009;42:32-5.

The Foucher’s flap can be utilized to repair tiny lesions on the palms of the hand, as we did in our instance, without sacrificing a considerable amount of donor tissue.

It is very useful for rebuilding soft tissue abnormalities in the distal phalanx and the tips of the fingers, especially the thumb.

Whereas, when we applied the Foucher’s flap correctly in the palm produced outstanding functional and aesthetic results. The affected area often recovers extremely well in terms of both sensory and functional abilities a normal hand function was restored for the patient because the venous drainage of the flap is preserved through the First Dorsal Metacarpal Artery's concomitant veins, which are present in the areolar tissue in the island flap's pedicle.

Additionally, the nerve supply is also maintained. Postoperative oedema and tunnel tension may be the cause of partial flap necrosis if the donor defect is attempted to be closed primary. To prevent excessive stress, the tunnel can be opened.

Regarding our case scenario, a 30-year-old woman suffering from electric burns on the palmer side of her hand was effectively restored using the Foucher’s flap

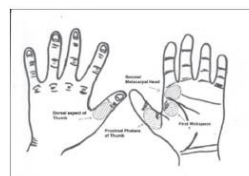
Figure 1. PRE-OP electric burn



Figure 2. INTRA-OP



Figure 3. POST-OP



References

- [1] Muyldermans T, Hierner R. First Dorsal Metacarpal Artery Flap For Thumb Reconstruction: A Retrospective Clinical Study. *Strategies Trauma Limb Reconstr.* 2009;4:27–33. Doi: 10.1007/S11751-009-0056-1. [DOI] [PMC Free Article] [Pubmed] [Google Scholar]
- [2] Kulkarni, A. A., Abhyankar, S. V., Singh, R. R., & Chaudhari, G. S. (2009). Another Use Of Foucher's Flap. *Indian Journal Of Plastic Surgery*, 42(02), 269-269.