

First Dorsal Metacarpal Artery (FDMA) flap: A reliable choice for thumb defects.

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Abstract:

Introduction: - Soft tissue defects of thumb are very debilitating, and require a good durable coverage to give a functional thumb to the patient. Lots of options are available for thumb reconstruction. In this study we focused on FDMA flap to cover the defects. **Material and Methods:-** A prospective study of 15 patients which presented with small and medium size soft tissue defects of thumb over the period of 2 year are managed with FDMA flap along with treatment for associated injuries and are subsequently evaluated for outcome and followed upto 3 months. **Results:** - We are able to cover the defects easily in all patients without any undue tension. All flap survived, two developed distal margin necrosis and one developed epidermal loss, and they were managed with dressings. Donor site covered with STSG and wound over dorsum closed primarily. **Conclusion:** - With careful dissection, FDMA flap is easy to harvest. It provides reliable, durable and sensate cover with minimal donor site morbidity.

Keywords:- Cross finger type, FDMA flap, islanded type, Thumb defect.

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