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The usage of pedicle to cover forehead defects in two-stage forehead flap nasal squamous cell carcinoma reconstruction

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Paramedian forehead flap is a great option for restoration of complex nasal defect. Small nasal defect can be repaired by performing primary suture. In case of larger defects or when direct suturing is not possible, skin flap may be used to ensure functional and aesthetic outcome. We report a 60-year old woman who was diagnosed with squamous cell carcinoma of the nose and underwent two-stage forehead flap alar reconstruction and grafting of the flap defect. Prior to the forehead flap reconstruction, surgical excision of the lesion was performed. Instead of removing away the remaining pedicle in this patient, we used it as a graft to cover the defect in the forehead three weeks after the first surgery. Both flap and graft survived completely and no tumor recurrence was observed on the patient. Cosmetic and functional results were favorable.

Forehead flap remain to be one of the best options for nasal reconstruction. In selecting the type of reconstruction, the size, depth and subunit involved of the patient's nasal deformity, donor availability, comorbidities and the patient's expectation of the reconstruction outcome must be considered. Adequate knowledge and careful application of the technique allow excellent result with few complications.

Biography

Hasan Rizky Benokri, MD is a graduate of Faculty of medicine, public health and nursing universitas gadjah mada, Yogyakarta, Indonesia. He worked as general practitioner at emergency department of hassanah mojkerto islamic hospital and kedundung public health center, east Java, Indonesia. Currently, He undergoes residency at otorhinolaryngology-head and neck surgery department, faculty of medicine, public health and nursing universitas gadjah mada/ dr. sardjito general hospital, Yogyakarta, Indonesia.

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