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The use of a deltopectoral flap in an entire lower lip defect: A case report

The majority of the malignant neoplasms (>90%) of the oral cavity are squamous cell carcinoma, which predominates in the lower lip. With surgery being the mainstay treatment; The goals for resection and reconstruction of a lip carcinoma include adequate cosmesis and function, such as maintaining oral competence. There are various reconstructive options for lip carcinomas and they are dependent on the size of the lesion. Options range from direct closure of smaller lesions to commonly using flaps for larger defects. Local flaps, such as the Bernard-Weber's procedure have been commonly used for lesions spanning more than 2/3rds of the lip length. With large lesions approaching the full span of the lower lip, there has been a challenge in meeting the desired functional and cosmetic goals for reconstruction. Regional pedicled flaps have been used commonly in head and neck cancers to improve safe and functional outcomes. There has been a great success in using the Deltopectoral Flap in reconstructing defects of the lower thirds of the face and oral cavity. A medially based deltopectoral flap is preferable in head and neck skin defects requiring reconstruction because it is less bulky, produces less

donor site impairments and improved blood supply compared with random flaps. Also, the color and texture of the skin paddle are very suitable for facial reconstruction. Another advantage is that a large area of well-vascularized skin is readily available and can be used without delay in most cases.

In the report, we present a case of a 63-year-old man who presented with an entire lower lip squamous cell carcinoma. He underwent Wide excision coverage of the defect via Deltopectoral flap, right with a satisfactory outcome. There was noted restoration of oral competence and aesthetic outcome.

Biography

Daniel Erick T. Amparado got his medical degree from the Cebu Institute of Medicine and took his Post Graduate Internship at Perpetual Succour Hospital, where he was awarded the most outstanding Post Graduate Intern. He is currently the Chief Resident in the Department of ORL-HNS at Vicente Sotto Memorial Medical Center. He was able to present this case during the Academy of Head and Neck Oncology Virtual Interhospital Grand Rounds last November 19, 2022.

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