

## The using of cervical and deltopectoral flaps in the reconstruction surgery of head and neck area

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**I**ntroduction Over the past three decades, many advances have been made in the treatment of head and neck cancer. These include the combination of radiation therapy and chemotherapy with surgery, conservation laryngeal surgery, and modifications of the classic radical neck dissection. The desire to improve postoperative outcomes by focusing on preservation of tissue and function led to these advances and resulted in more rapid recovery and decreased cosmetic deformities while maintaining equal cure rates to prior techniques. Despite the fact that these changes have decreased morbidity, overall survival rates for patients with head and neck cancer has reached a plateau over the past several decades. Because of this, the focus of many head and neck surgeons in the past 20 years has been directed at further decreasing morbidity from surgery and improving functional and reconstructive outcomes. Squamous cell carcinoma is one of the most common malignant tumors of the skin and oral mucosa. However, squamous cell carcinoma involving near total upper and lower lip and oral commissure. Simultaneous reconstruction of the lower lip has been inconclusive and presents a challenge to the surgeon. We report such a case and outline our simultaneous reconstruction with local flaps. To the best of our knowledge this has never been reported. Case presentation. A 54-year-old Azeri woman presented with a large rapidly growing squamous cell carcinoma involving the lower lip, right oral commissure and right cheek. En bloc resection of lower lip, right oral commissure and buccal region was performed. Right radical neck dissection and right modified neck dissection were performed. Reconstruction floor of the mouth with a cervical flap was performed. The lower lip and skin of mental process in mandiblar was reconstructed with deltopectoral advancement flap. Conclusions Squamous cell carcinoma can grow rapidly and spread along the orbicularis oris muscle and across the oral commissure to the opposite lip. In advanced cancer, multimodal treatment is necessary. We report the case of an advanced squamous cell carcinoma involving lower lip, right oral commissure and buccal area and simultaneous reconstruction with local flap coverage that, to the best of our knowledge, has never been reported.

### Biography

Parisa Foroughiasl is a specialist in Oral and Maxillofacial surgery. Specialized in such areas as trauma, cleft lip-palate, oncology, oral surgery and etc. She has graduated from dentistry faculty from Azerbaijan Medical University in 2009. During that period she has written a scientific works and has participated in such university competition as: Student Scientific society, dentistry faculty 2007, 2009. under the supervisor of the head of the department of oral and maxillofacial surgery Prof. Rahimov Ch. She currently continues her specialized program in oral and maxillofacial department in Azerbaijan Medical University and researches the oral surgery under the supervisor Prof. Yusubov Y.

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