

Original Article

Surgical Management of Facial Nonmelanoma Skin Cancer

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Abstract.

Background: Nonmelanoma skin cancer (NMSC) is the most common malignant facial tumor, and is comprised of basal cell carcinomas (approximately 80%), and squamous cell carcinomas (approximately 20%). The most frequently used method for treatment of facial nonmelanoma skin cancer is conventional surgical excision of the tumor. Our aim in this study was to review the cases of facial nonmelanoma skin malignancies and treatment outcomes of patients in our hospital.

Methods: We retrospectively reviewed the medical records of 31 recruited patients with facial nonmelanoma skin cancers who were treated between 2009 and 2011. The profile data of these patients, details of surgery including procedures for primary tumor excision and reconstruction, as well as long-term outcomes were collected for analysis.

Results: Facial nonmelanoma skin cancers constituted 1.6% (31/1893) of the new patients treated in our hospital's plastic surgery and dermatology departments. Basal cell carcinoma was the most common histological type (67.7%), followed by squamous cell carcinoma (32.3%). Reconstructive procedures were required in 77.4% of the patients, and local flaps were used for reconstruction in 17 cases (54.8%). For the most part, large post-resection defects were the predominant cause of these reconstructive procedures. During an average 16.7 months of follow-up, two patients had local recurrence (6.5%).

Conclusions: Conventional surgical excision of facial nonmelanoma skin cancers with immediate reconstruction using a local flap constituted a good therapeutic modality with a low recurrence rate.

Keywords : nonmelanoma skin cancer, basal cell carcinoma, squamous cell carcinoma

原著論文

手術治療顏面非黑色素瘤皮膚癌

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