P009

CHIRURGIE CERVICO-FACIALE ET CANCÉROLOGIE

Introduction

- Surgery of nasal skin tumors: 3 objectives: Carcinological, functional and aesthetic
- Aesthetic reconstruction goal: Perceive the reconstructed part as a normal and acceptable variation, not as a deformity.
- Systematic analysis of loss of substance +++: nature of missing tissue, topography and size.

objective

Study the modalities of nasal skin defect reconstruction, to establish a clear hierarchy according to the site and the extent of the substance loss.

Methods

- Retrospective study, from January 2009 to December 2023
- 60 patients operated on for partial nasal skin defect of tumour origin
- ENT and cervico-facial surgery department of the Salah Azaiez Institute.

Mean age : 65 years [24-86] Male predominance(35Men,25Women), Sex ratio:1,55

Risk Factors : Sun exposure +++ : 89% of our patients. Skin Tone : Dark phototype 63%, light phototype and 37%

Reasons for consulting : (figure 1,2)

ance of a lesion of the nasal pyramic

Clinical Examination

Tumor site : 79% one subunit (figure3)

Tumor size : 4 millimeters (mm) to 50 mm Mean size : 19 mm. (figure 4)

Results

Columella+Tip+Wing

Fig3: tumors sites

Macroscopic aspect



Fig5: Different macroscopic aspects of tumors. A: ulcerated tumor of the nasal dorsum. B: hyper-pigmented keratotic tumor of the nasal dorsum. C: nodular tumor of the lateral aspect of the nose.

Pathological study (fig 7)

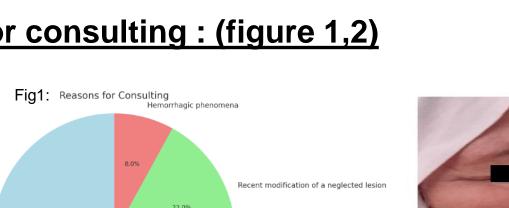


Skin defect in nasal pyramid cancers : Anatomo clinical caracteristics reconstruction Procedures

S. Dhambri¹, O. Zitoun¹, A. Chakroun¹, R. Brahem¹, A. Methnani¹, M. Dhaha¹, S. Jbali¹, S. Kdous¹ 1Salah Azaiez Institute - Tunis (Tunisie)



Fig2: Appearance of an ulcerous lesion on the lateral surface of the nasal pyramid.



Treatment

Tumor resection:

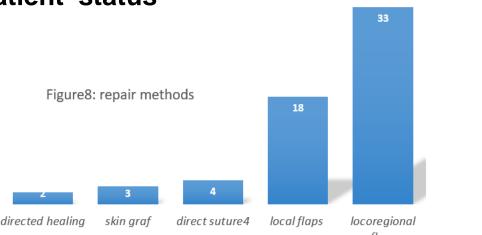
Extemporaneous histological study of intraoperative sections: Non tumoral :56 cases , Tumoral : 4cases \rightarrow further resection at the same time. -definitive anatomopathological study \rightarrow the limits of resection: non tumoral margins in all patients. **Treatment of the lymph nodes**

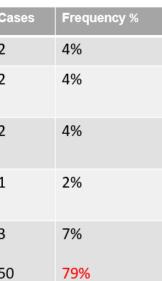
- lymph node dissection(homolateral triangular) :1 case ,T3N1M0 Metastatic cervical lymphadenopathy of squamous cell carcinoma: 1N+/27N

Repair methods (figure8)

Based on : Size

Location of substance loss (PDS) **Patient status**





pidermoid carcinoma (EC

Scleroderma-like BCC

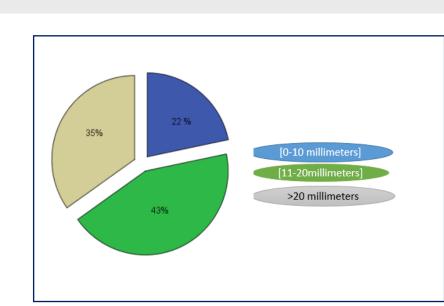


Fig4: tumors sizes

Туре	Frequency
Borgeoning	4%
ulcerative-borgeoning	22%
ulcérative	22%
hyperpigmented	11%
Keratotic	7%
Ulcerative and Keratotic	8%
sclerodermatiform	2
Nodular	24%

Fig6: : Distribution according to macroscopic tumour appearance

TNM classification

- For EC and BCC:
- T1N0M0:61 % - T2N0M0:33 %
- T3N1M0:2 %(1 case)
- 2 melanocytic tumors : pT1N0M.



Figure 10 Repair of a nasal root loss of substance using a glabellar flap.A: flap tracing; C: Immediate postoperative CBC of medial canthus. B: glabellar flap tracing appearance .C: immediate postoperative result

Figure 11: Marchac flap A: Tumor of the

-Locoregional Flaps: Extensive substance loss (one or more sub units)

*The forehead flap :

-Flap Weaning : average 3 weeks postoperatively.

- -Para-median forehead flap (11), Sea gull-wing forehead flap (4)
- An oblique forehead flap (4)

Aesthetic results

-38 good results, 17 average results, 5 poor result

Directed healing

- Loss of substance : <5mm
- Location : the tip of the nose.

skin graft:

- -Loss of substance : [10 -20mm]
- Location : the nostril wing and the lateral face of the nasal pyramid.
- -taken from :retroauricular area , closed by direct suture.

Direct suture (figure 9)

- -Loss of substance :[4-10mm]
- Nostril wing and the side face of the nasal pyramid

Local flaps

single flap: in 17 patients, double flap in one patient. -type of flap \rightarrow type of the loss of substance: * Upper nasal pyramid: glabellar flap(fig10), Marchac flap (, flap of Emmet and Rintala flap. *Lower part of the NP: Zitelli flap, Reiger flap (fig12) and Rybka (fig 13)

Figure 14: Paramedian forehead flap A: Dorsal tumor extending to the root and lateral aspects of the nose B: Immediate oostoperative appearance C: Appearance at 15 days post-op D: Appearance after flap



Figure 15: Nasogenian flap with superior pedicle. Appearance at one month post surgery A: Front view B: Side view

Nasolabial flap: Superior pedicle nasolabial flap(5) inferior pedicle nasolabial flap (2) Island nasolabial flap (5)



the right nostril wing; A: profile view, B front view

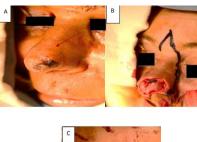




Figure 12: Rieger flap A: Nose tip umor B: appearance after tumor remova and flap tracing C: Immediate postoperative



Figure 13: Double Rybka flap A: Nose tip tumorB: Immediate postoperative appearance C: Appearance at 1 month

Conclusion

Repairing nasal defects is complicated. Nasal reconstruction procedures are countless, multiple factors help to determine the optimal repair method for the best esthetic result.