**PC016** 

# CHIRURGIE ESTHÉTIQUE ET RECONSTRUCTRICE

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# **Abstract**

## Aim

This case series presents a DP flap technique to overcome the difficulty of tight closure or the need to graft the residual cutaneous defect.

### Methods

This 5-year study (2019-2023) includes 30 patients who underwent DP flap reconstruction in the ENT and cervico-facial surgery department of the Salah Azaiez Institute

### Results

30 patients underwent the procedure. Mean age of patients was 62 years with sex ratio of 29. The initial lesion was squamous cell carcinoma in all cases . They were located in the larynx in 67%, skin face in 10%, mandibule in 13% and lips in 10% of cases . 30% of patients had a complication : necrosis in 44% of cases, infection in 22%, flap release in 12% and the association of infection and necrosis in 22%. DP flap was performed at the same time in 87% of cases and at a later stage in 13% of cases. Functional results were satisfactory in 70% of cases, with an average follow-up of 2 years.

### Conclusion

The DP flap was the flap of choice for the reconstruction of substances loss in the head and neck during the 1970s, but has been replaced by micro anastomosed free flaps. Although it may be the first choice in some situations loss of cervical substance, or to close pharyngeal fistulas, but it has become obsolete in modern surgery.

Aim

To evaluate the current contribution of the DP flap in head and neck reconstruction.

# **Methods**

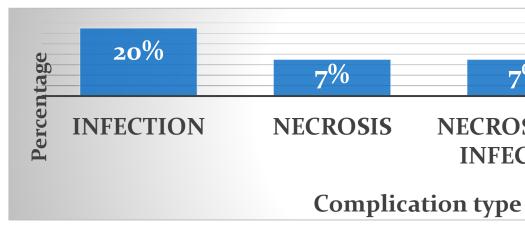
This was a retrospective, descriptive study conducted in the ENT and cervico-facial surgery department of the Salah Azaiez Institute over a period of 5 years (2019-2023) and included patients who had undergone surgical reconstruction using a deltopectoral flap.

# **Deltopectoral flap as a forgotten one : 30 cases**

- 30 patients : 39 men/ 1 woman
- Average age : 62 years (extreme: 44 years ; 76 years).

- Histology : Squamous cell carcinoma : 100%
- ANATOMO-PATHOLOGY > Margins: Clean: 87%, Invaded: 13%
- **REPAIR TIME :** The same operating time: 87% ; A second stage: 13%
- → SHORT-TERM POSTOPERATIVE COMPLICATIONS :

FLAP COMPLICATIONS 9 cases (30%); **DONNER SITE COMPLICATIONS 2 COSES (6%)** 



 $\rightarrow$  FUNCTIONNAL RESULTS :  $\succ$  Flap degreasing : 3 cases (10%)

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# Results

• Habits: smoking 29 cases (97%), alcoholism 10 cases (34%), association (34%) • History : High blood pressure ( 5 cases), Type 2 diabetes (2 case), Dyslipidemia (2 cases) • Initial site of tumor: Laryngeal tumor 10 cases (67%), Mandibular tumor 4 cases (13%), Cutaneous tumor 3 cases (10%), Lip tumor 2 cases (7%), Inner side of cheek 1 case (3%)

# POST-OPERATIVE FOLLOW-UP : Average hospital stay : 18 days (8-35 days).

7%	
NECROSIS AND	FLAP RELEASE

INFECTION



Infection of the donner site



Necrosis of the DP flap



Flap release

> Satisfactory in 70% of cases  $\rightarrow$  Average follow-up : <u>2 years</u> (1 and 5 years)  $\rightarrow$  Flap withdrawal : 10 cases (33%)  $\rightarrow$  average lenght : <u>3 months</u> (2-4 months)



Satisfactory functiona result

# Conclusion

# References

