“Evaluation of early, late complications and patient satisfaction in 300 patients who underwent oral graft harvesting from a single cheek using a standard technique in a referral center experience”

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Background

Urethroplasty + (AND) oral/ buccal mucosa:
1999
2008
(Urological journals)
Background

- Different donor sites
- Different techniques
- Different surgeons
- Low powered studies
- No homogeneous series
- Complication seldom reported
- Learning curve
Aim

- EVALUATION OF EARLY, LATE COMPLICATIONS AND PATIENT SATISFACTION IN 300 PATIENTS WHO UNDERWENT ORAL GRAFT HARVESTING FROM A SINGLE CHEEK USING A STANDARD TECHNIQUE IN A REFERRAL CENTER EXPERIENCE
Material and Methods

- 300 patients,
  - mean age 39.6 years (range 14-77 years)
- OMG harvesting from a single cheek
- Standard technique
- Patient reported outcome
  - Questionnaire
  - Satisfaction
The “standard” technique

Two surgical teams work simultaneously
The “standard” technique

Oral set

Perineal/urethral set

Two sets of surgical instruments
The “standard” technique

Maximum graft size: length 4 cm / width 2.5 cm
The “standard” technique

Remove the graft leaving the muscle intact
The “standard” technique

Close the harvesting site
The “standard” technique

Drawing

Reality

Close the harvesting site
6 months later
The questionnaire was developed on the basis of a clearly defined conceptual framework.

The importance of patient’s prospective and patients satisfaction were accurately investigated.
The questionnaire included:

- 6 questions to investigate the early complications (first 10 post-operative days)
- 14 questions to investigate the late complications (3 months after surgery)

Score
- 0 = absence of complication/no bother report
- 3 = maximum bother

Patients satisfaction:
- Would you repeat this type operation again?”
Early complications

**Pain**
- Score 0: 35.2%
- Score 1: 46.8%
- Score 2: 16.9%
- Score 3: 1.6%

**Swelling**
- Score 0: 16.8%
- Score 1: 49.2%
- Score 2: 33.2%
- Score 3: 0.8%
Early complications

- Bleeding: 3.6%
- Use of anti-inflammatory (for oral pain): 5.2%
- Ability to resume normal diet:
  - 156 pts (52.%) within 3 days
  - 108 pts (36%) within 6 days
  - 36 pts (12%) within 10 days
Late complications

**Scar bother**
- Score 0: 81.6%
- Score 1: 14.8%
- Score 2: 3.6%
- Score 3: 0%

**Perioral numbness**
- 7 days: 68%
- 30 days: 27.6%
- 90 days: 4.4%
Late complications

- **Difficulty with mouth opening:**
  - Score 0: 98%
  - Score 1: 1.6%
  - Score 2 (0.4%)

- **Difficulty to smile:**
  - Score 0: 99%
  - Score 1: 0
  - Score 2: 1

- **Changes in the face physiognomy:**
  - Score 0: 99%
  - Score 1: 0
  - Score 2: 1%
Late complications

- **Dry mouth:**
  - Score 0: 94.8%
  - Score 1: 4.8%
  - Score 2: 0.4%

- **Check swelling after meals:**
  - Score 0: 98%
  - Score 1: 2%

- **To be able to eat and chew any meals without discomfort:**
  - 275 pts (91.6%) within 1 month
  - 18 pts (6%) within 2 months
  - 7 pts (2.3%)
Would you repeat the operation again?
Harvesting oral mucosal graft from the cheek

**Advantages**

- Available in all patients
- Two grafts, thick, long and large
- Donor site scar is concealed

**Disadvantages**

- It may require a nasal intubation
- It may request a special retractor
Take home message

- OMG harvesting from a single cheek, with adequate size and shape, with closure of the donor site, is a safe procedure with an incredible high patient’s satisfaction.