INNOVATIVE TECHNIQUES TO MINIMIZE SCARRING IN BREAST SURGERY

10 YEARS EXPERIENCE FROM DURBAN BREAST UNIT

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CONSPICUOUS SCARRING



CONTENTS:

" **SMILE** " MASTECTOMY

"NO VERTICAL SCAR "THERAPEUTIC MAMMOPLASTY

TAIL OF SPENCE TUMOUR EXCISIONAL DEFECT CLOSURE with a NEW DESIGN ADVANCEMENT FLAP

" DOUBLE MOON " SKIN SPARING MASTECTOMY

RECONSTRUCTION OF NAC with IMAP FLAP ("NIPPLE NIRVANA")

STANDARD NON-SKIN SPARING MASTECTOMY









TOTAL NUMBER OF PATIENTS: 151

TOTAL NUMBER OF BREASTS: 167

Excluded - Standard Pattern Mastectomy Patients.

• **DEGREE OF DIFFICULTY** : Slightly more difficult .

TIME : Not extended

• COMPLICATIONS: Not increased

• **COMPARISON TO STANDARD METHOD**: Requires more effort in the transitional area (IMF / Axilla junction) Offers superior starting point for future reconstruction .

• PATIENT SATISFACTION: Very high.

"WISE PATTERN" THERAPEUTIC MAMMOPLASTY











Breast Surgery

Breast Reduction Scars: A Prospective Survey of Patient Preferences

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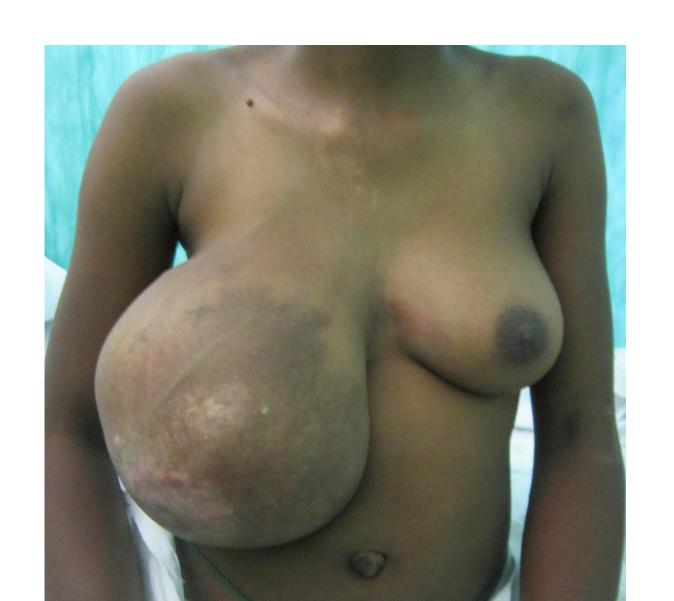
Abstract

Background: Studies have shown that scarring is a primary reason for patient dissatisfaction with reduction mammaplasty.

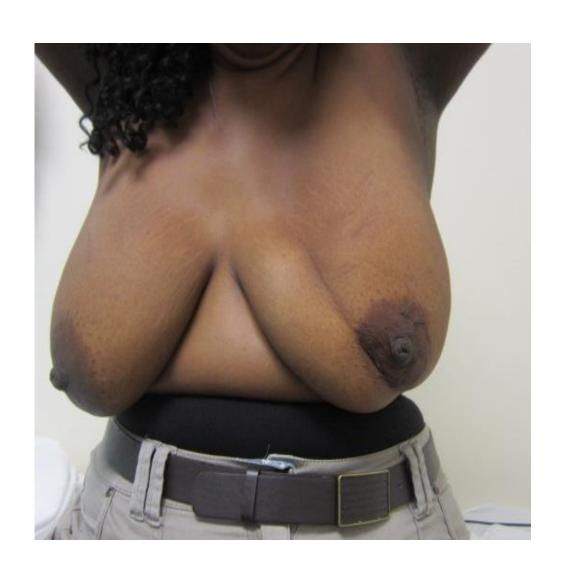
Objectives: The authors prospectively evaluated patient preferences for the 3 most common breast reduction scar patterns: horizontal, vertical, and Wise.

Methods: Sixty-six patients were recruited for the study before receiving their reduction mammaplasty consultation. Each patient was shown line drawings and postoperative photographs of the 3 breast reduction techniques and scored the scars on a modified 10-point Likert scale (1 = unacceptable; 10 =acceptable). The survey responses had no impact on the patients' medical care. A nonparametric Friedman test was used to compare the mean scores, and univariate generalized linear regression analysis was performed to adjust for confounding factors. Post hoc analysis was performed using the Bonferroni method. Significance was set at P < .001.

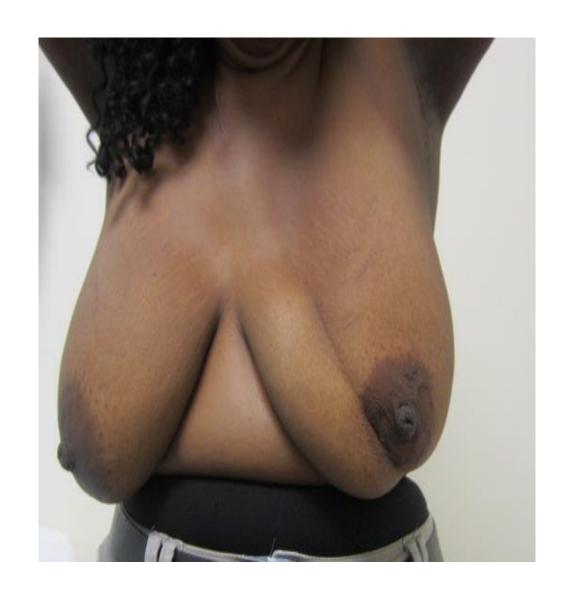
Results: Sixty patients completed the study. The mean preference ranking was significantly higher for the horizontal scar pattern versus vertical and Wise (P < .001). The mean score difference between the horizontal and Wise patterns was 2.982. The mean difference between the horizontal and vertical patterns was 2.27. There was no significant difference in preference between the vertical and Wise patterns. Linear regression analysis showed that age,







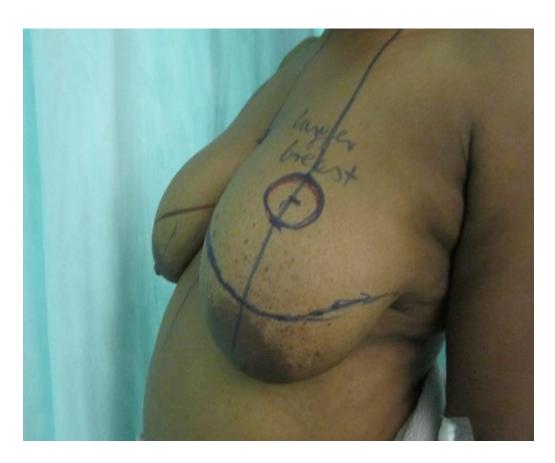










































TOTAL NUMBER OF PATIENTS: 294

TOTAL NUMBER OF BREASTS: 561

Excluded: Patients with tumours in zone I.

• **DEGREE OF DIFFICULTY** : Slightly more difficult

• TIME: Not increased. (Average 2,5 hrs for bilateral procedure)

• **COMPLICATIONS**: fewer - no "triangles of sorrow" problems.

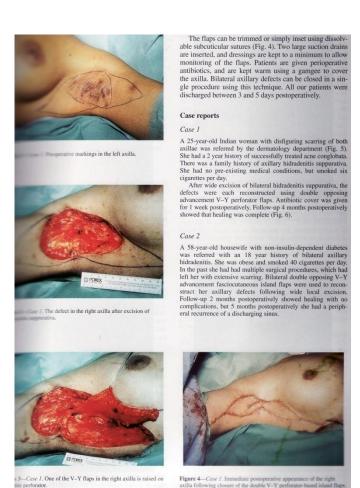
COMPARISON TO STANDARD METHOD: No visible scars on AP view.

• PATIENT SATISFACTION: High to very high.

TAIL OF SPENCE TUMOUR DEFECT CLOSURE

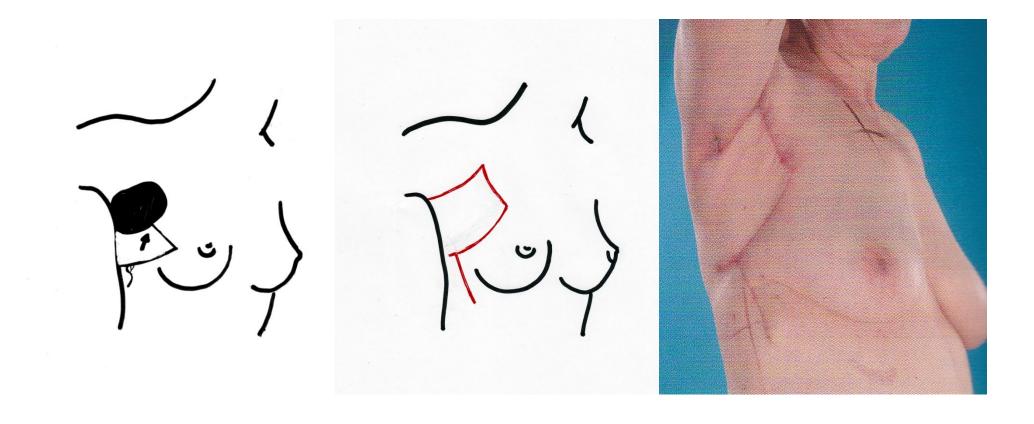


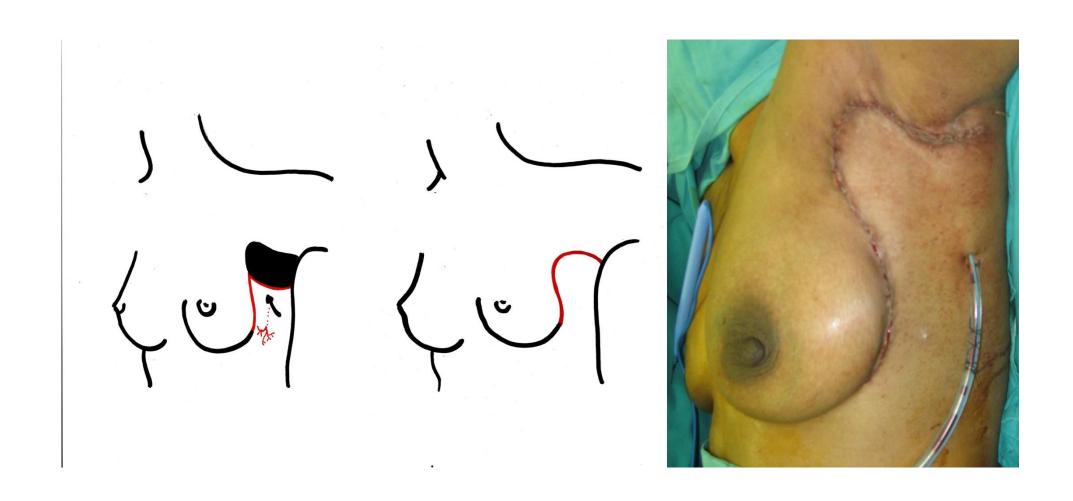
TAIL OF SPENCE TUMOUR DEFECT CLOSURE





TAIL OF SPENCE TUMOUR DEFECT CLOSURE



















TOTAL NUMBER OF PATIENTS / BREASTS: 19

• **DEGREE OF DIFFICULTY**: not difficult at all

• **TIME** : short procedure

• **COMPLICATIONS:** minimal

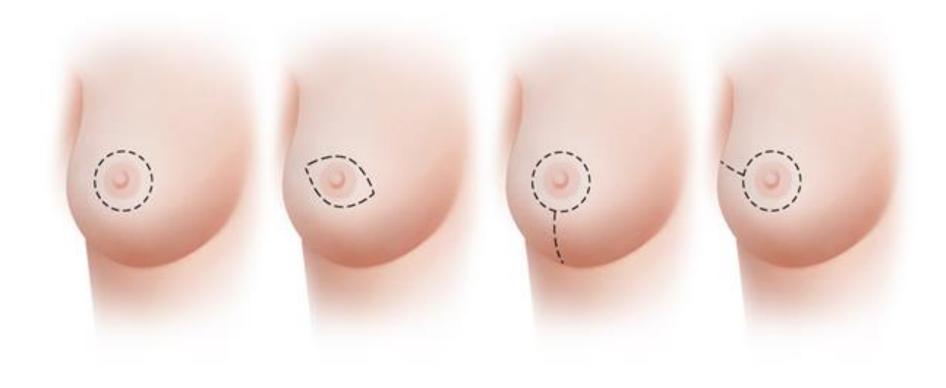
• COMPARISON TO STANDARD METHODS: Well concealed Scar

• PATIENT SATISFACTION : High to Very High.

SKIN-SPARING (NAC sacrificing) MASTECTOMY



STANDARD SSM INCISIONS



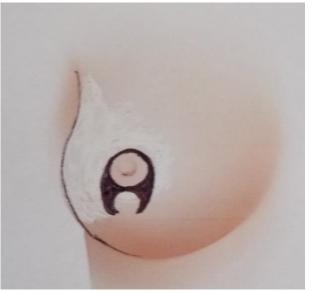
STANDARD SSM INCISIONS



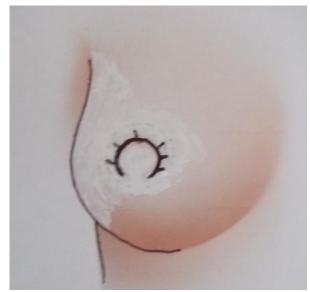






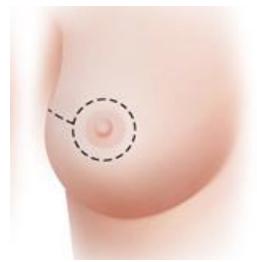








STANDARD



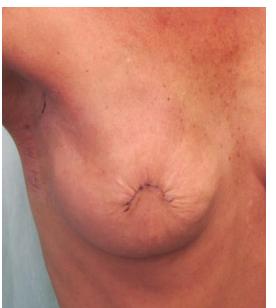


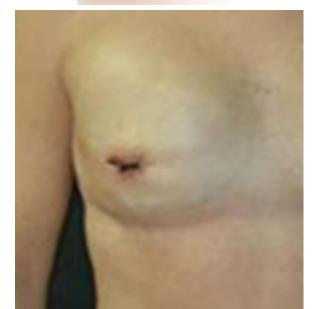






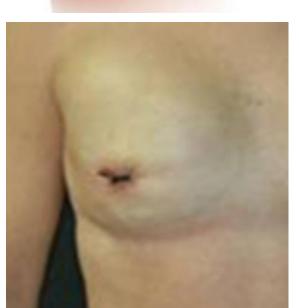


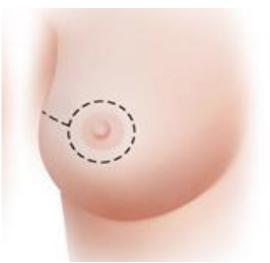


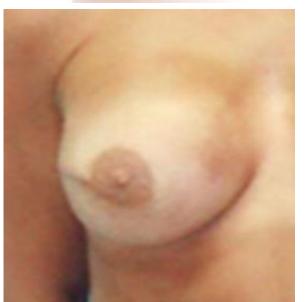


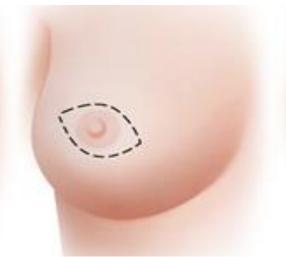
STANDARD





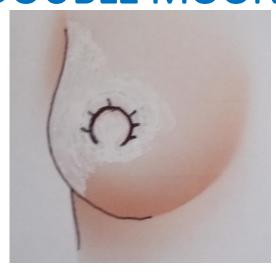




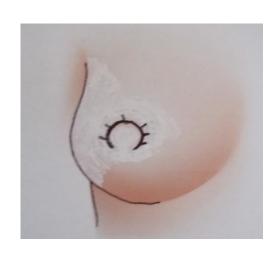




DOUBLE MOON

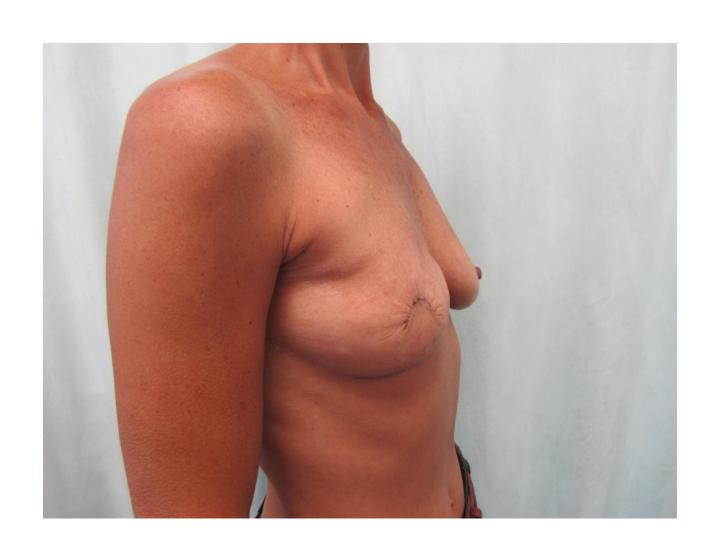
























TOTAL NUMBER OF PATIENTS: 27

TOTAL NUMBER OF BREASTS: 33

Excluded: Patients suitable for <u>Reduction Pattern SSM</u>
Patients suitable for <u>NAC-Sparing</u>

• **DEGREE OF DIFFICULTY** : Slightly more difficult

TIME: Slightly shorter than standard

COMPLICATIONS: Not increased

• **COMPARISON TO STANDARD METHOD:** No visible / unnatural scars once the reconstruction completed.

• PATIENT SATISFACTION: Very high

NIPPLE RECONSTRUCTION: SKATE FLAP



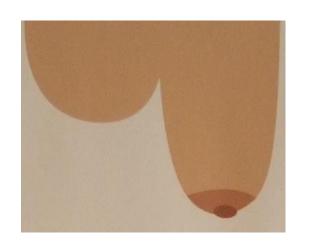
NIPPLE RECONSTRUCTION: SKATE FLAP

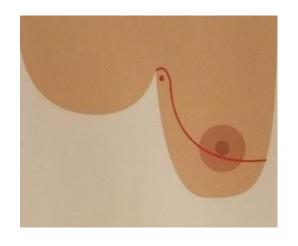


Breast Cancer patients with concomitant Macromastia usually undergo **Skin-sparing Mastectomy in a Reduction Pattern**.

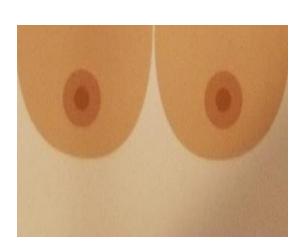




















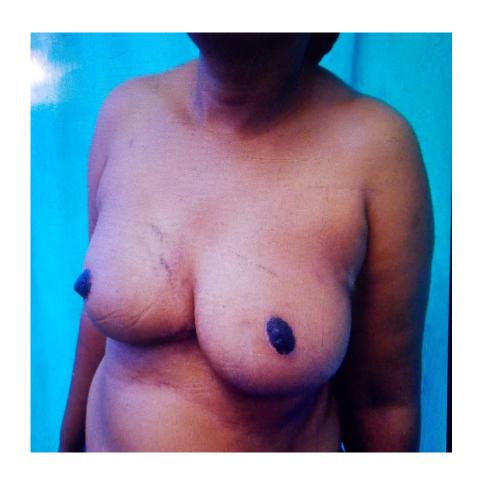


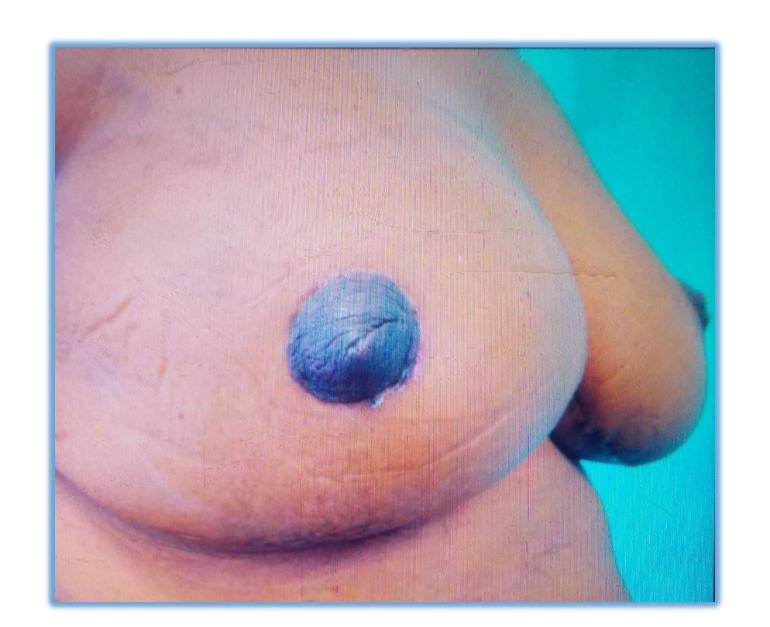


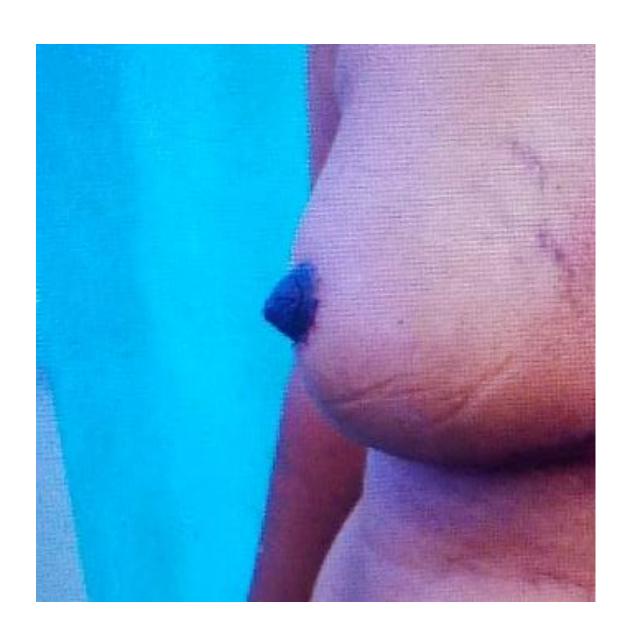


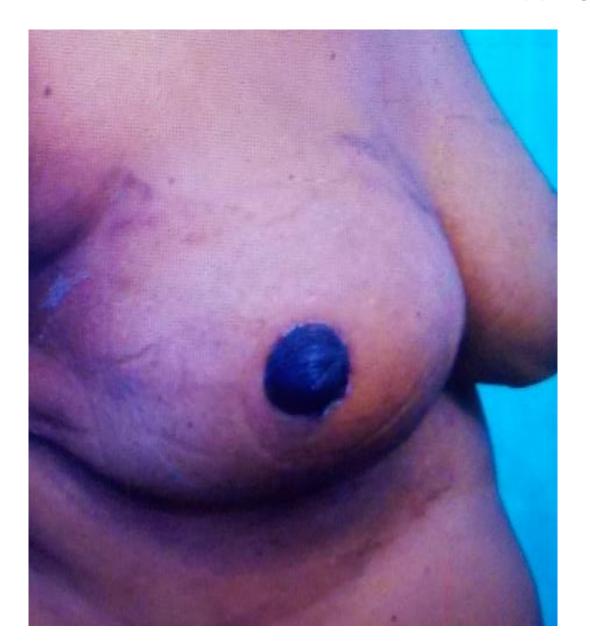


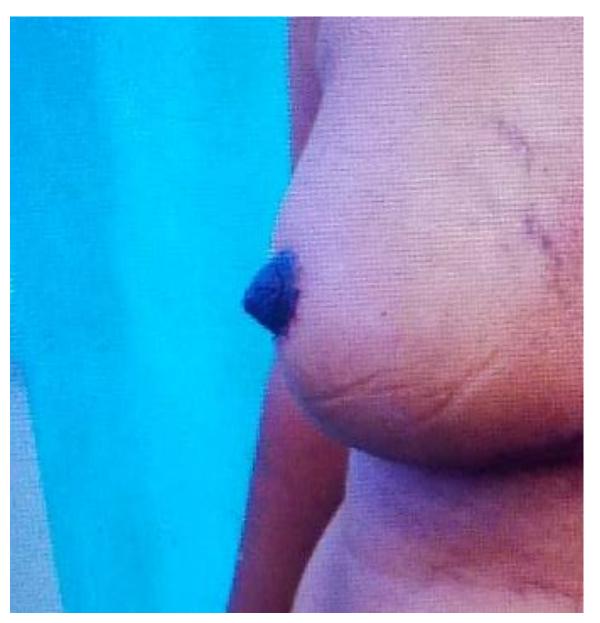












TOTAL NUMBER OF PATIENTS / BREASTS : 11

Excluded: Patients not suitable for Reduction Pattern SSM

• **DEGREE OF DIFFICULTY** : Average

• TIME : fairly short

• **COMPLICATIONS**: acceptable

• **COMPARISON TO STANDARD METHODS**: Realistically appearing, sensate NAC possible .Well concealed scars. Synmastia possible ,easily correctable.

• PATIENT SATISFACTION: High to Very High.

CONCLUSIONS:

THESE TECHNIQUES:

- ARE RELATIVELY EASY
- DO NOT RESULT IN INCREASE OF OPERATIVE TIME OR RATE OF COMPLICATIONS
- APPEAR TO BE APPRECIATED BY THE PATIENTS

 COULD BE CONSIDERED ESPECIALLY IN PATIENTS AT HIGH RISK FOR HYPERTROPHIC SCARRING

THANK YOU