Correction of Nipple Deformities; Nippleplasty

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Nipple Reduction

- For nipples that are either developmentally enlarged or enlarged after breast feeding.

Nipple Areola

- Ideal nipple projection: one centimeter
- Ideal nipple diameter: half a centimeter
- Ideal areola diameter:

  38 mm to 42 mm.

Nipple Areola in Men

- Ideal nipple projection: half a centimeter
- Diameter: half a centimeter
- Ideal areola diameter:

  10 mm to 15 mm.

Nipple Reduction

- Technique appropriate for women and men. Can be combined with an areola reduction and other breast surgery such as breast lift, enlargement and reduction.

Nipple Reduction

- Current techniques of *amputating* nipple or cutting partially in half and folding over the remaining half; do not work well in practice.

Nipple Reduction

- Kirwan technique allows nipple reduction in a controlled and consistent fashion.

Nipple Reduction

Excision of three or four segments like cake slices & repair with an absorbable suture.

Nipple Reduction

Potential complications

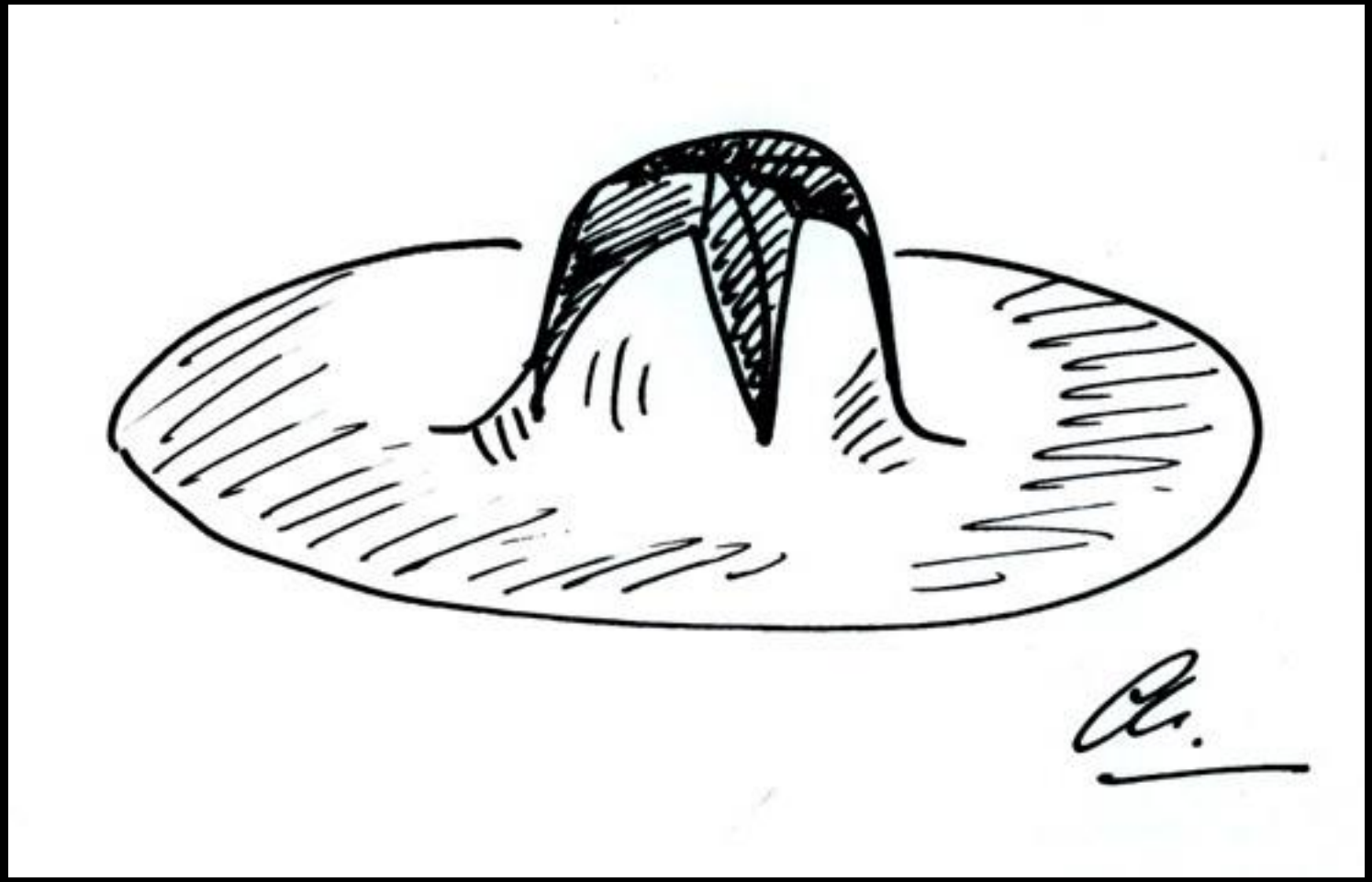
- over-reduction
- dehiscence of wound with resultant bifid nipple.
- blocked ducts with swelling of gland.
- increased or decreased nipple sensation.

Nipple Reduction

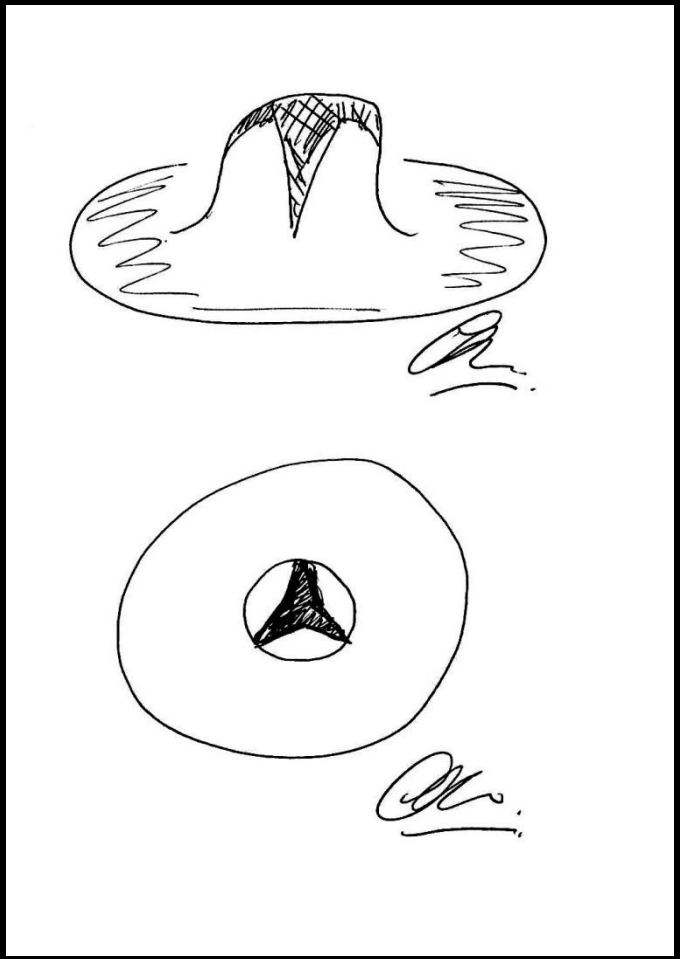
Technique

- Mercedes pattern (3 slices)
- Pizza pattern (4 slices)
- Remaining segments are stitched together

Nipple Reduction



Nipple Reduction: Mercedes Technique



Nipple Reduction Results

Nipple Reduction

Nipple Inversion

- Correction of the inverted nipple is a difficult problem evidenced by the number of techniques described in the literature.

Nipple Inversion

- Primary pathology is shortening of the ducts relative to the size of the breast.

Nipple Inversion

- Inversion may correct spontaneously with stimulation or temperature change.

Nipple Inversion

- Treatment divides the ducts

Nipple Inversion

- Two Techniques
- Division of Ducts with Parachute Flap.
- Division of Ducts with Purse-string suture.

Nipple Inversion

Kirwan L, Inverted Nipple and Nipple Reconstruction, the Parachute Flap, Canadian Journal of Plastic Surgery, September/October 7(5):233-236, 1999

Nipple Inversion

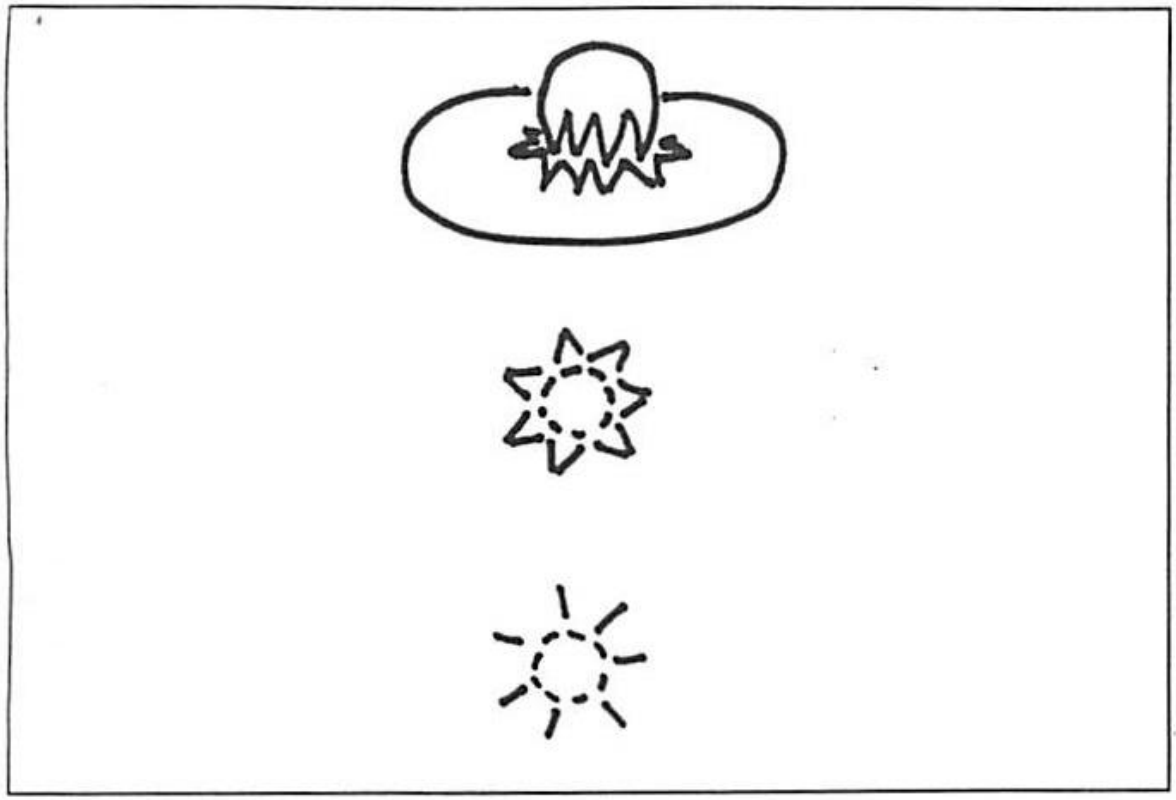
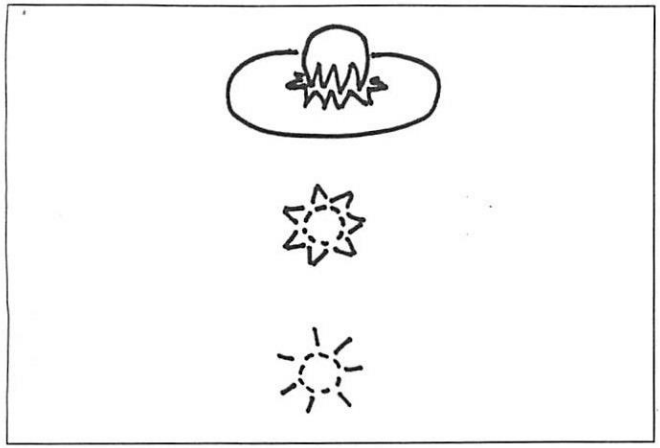


Figure 1) *Illustration of the technique.* **Top** *Lateral view with collapse of triangular flaps to form two concentric circles.* **Middle** *Superior view with design of flaps.* **Bottom** *Superior view of result after closure*

Nipple Inversion



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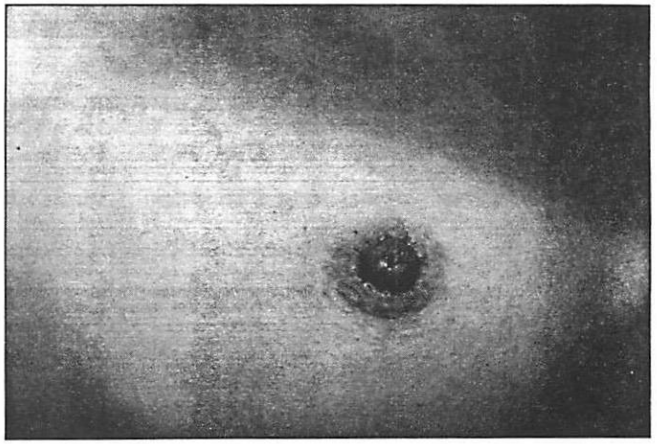

Figure 4) *Treating nipple inversions. Postoperative frontal view*

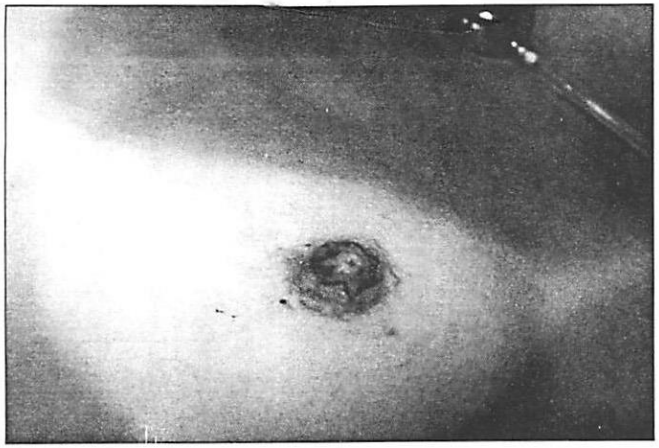

Figure 2) *Treating nipple inversions. Preoperative design of multiple triangular flaps around nipple*

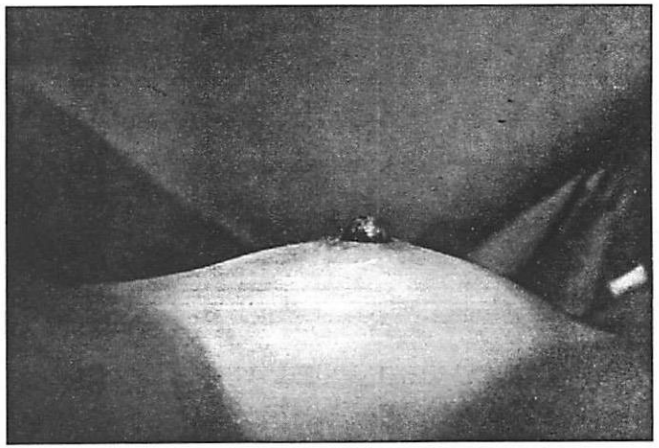

Figure 5 *) Treating nipple inversion. Postoperative lateral view*

The End

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