

METHOD OF FREE FULL-LAYER AUTODERMOPLASTY OF BREAST GLANDS

S. Nazirov

Andijan State Medical Institute

Relevance of the problem:

Anterior chest wall burns are a devastating problem that results in significant distortion of the breast. This deformed, burned breast presents a serious aesthetic problem and can lead to functional impairment as well as severe emotional trauma for patients.

Purpose of the work:

to develop a method for the surgical elimination of cicatricial deformities of the body, namely the mammary glands, using the application of a Pelot bandage during free full-thickness autodermoplasty.

Materials and methods of research:

from 2015 to 2022, 24 patients with post-burn cicatricial deformities of the soft tissues of the body, namely the mammary glands, were operated on in the department of reconstructive surgery of the multidisciplinary medical center of the Andijan region using free full-layer autodermoplasty.

Surgical technique: the scars constricting the mammary glands are excised to healthy tissues, the mammary gland is redressed to the symmetrical position of the opposite side, the wound is closed with a free full-layer autodermal graft taken from the inner surface of the thigh. The edges of the graft and healthy tissues are sutured with interrupted atraumatic sutures. Every few stitches around the circumference, long ends of the threads up to 10-12 cm are left, after which sterile gauze balls from 20 to 50 pieces are applied over the graft, above which, in the shape of a dome, several sterile napkins, and above the last, the left ends of the threads are tied opposite to each other. This creates a uniform pressure on the graft and underlying healthy tissues without compromising the blood circulation of the tissues around the graft. The donor wound is sutured by acute dermotension. The bandage "Pelot" is removed for 15-20 days.

Results.

Long-term results showed that due to the tight fit of the autodermal graft, its optimal engraftment is achieved and, compared with the traditional technique (skin grafting with a split graft), the developed technique is distinguished by the absence of graft wrinkling.

Conclusion.

Thus, the task set - reducing the time of surgical treatment, preventing wrinkling of autodermal grafts in the postoperative period - is completely solved by the claimed method.

The proposed method received a patent for an invention from the Intellectual Property Agency of the Republic of Uzbekistan “Method of free full-layer autodermoplasty of the mammary glands” No. IAP 06815 dated February 22, 2022.

