

# Cierre de bolsillo subpectoral para la reconstrucción mamaria: descripción de una nueva técnica quirúrgica mediante el uso de celulosa oxidada regenerada NU-KNIT.

José Gantz, Javier Villalón, Víctor Salazar, Fernando Cadiz, Sebastián Pradenas, Militza Romagnoli, Juan Allamand, Gustavo Vial, María Santos, Felipe Fuster, Diego Fischer, Martin Castillo y Matias Rivera.

## Abstract

**Introduction:** The use of breast expander, prior to the final prosthetic reconstruction, is not exempt from complications. They not only relate to the presence of peri-operative radiation therapy, or patient-related issues; but also related to the muscle integrate coverage of the breast expander.

**Material and methods:** Retrospective review of patients undergoing deferred breast reconstruction using a modification of the technique of sub muscular pocket closing with oxidized regenerated cellulose NU-KNITM for the breast expander. Between January 1, 2014 and December 31, 2015 one plastic surgeon (J.V.), from the Breast Pathology Unit at Clínica Alemana de Santiago, performed reconstruction surgeries with this technique in 31 patients. In the present article, the technique modification, demographic data, histological data and the complications which arose during the expansion phase of the same, will be described.

**Results:** 40 breast reconstructions were performed in 31 patients. 11 seromas (27.5% of total expanders), 2 sufferings of skin flap wound dehiscence (5% expanders) and 1 wound infection (2.5% of expanders) were presented. Two patients required surgical debridement due to surgical dehiscence and infection. One patient required explantation of the expander (2.5% of total expanders).

**Discussion:** The modification of the surgical technique represents a safe and reproducible alternative to achieve a complete closure of the muscular pocket and thus a complete coverage of the expander, consequently; avoiding some of the secondary complications drawn from an insufficient coverage of the expander.