

# **Fibrin adhesive in radical mastectomy.**

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## **Abstract:**

**OBJECTIVE:** To find out if fibrin adhesive glue applied locally would reduce the incidence of seroma after modified radical mastectomy for breast cancer.

**DESIGN:** Prospective randomised study.

**SETTING:** City hospital, Sweden.

**SUBJECTS:** 68 women undergoing modified radical mastectomy with axillary clearance for breast cancer.

**MAIN OUTCOME MEASURES:** Amount of postoperative drainage, number of seromas aspirated volumes; length of hospital stay, influence of surgeon operating.

**RESULTS:** Seromas developed in a total of 40/68 patients (59%), 23/36 in the fibrin adhesive group (64%) and 17/32 in the control group (53%);  $p = 0.5$  (95% confidence interval of the difference--0.13 to 0.34). There were no significant differences in the volume of aspirations or in hospital stay. The skill of the surgeon influenced the incidence of seromas, but the differences were not significant ( $p = 0.5$ ).

**CONCLUSION:** Local application of a fibrin adhesive glue has no effect on the incidence of seroma

formation after modified radical mastectomy.