

# **Use of autologous fibrin glue in dermatologic surgery: application of skin graft and second intention healing.**

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## **Abstract:**

**OBJECTIVE:** To evaluate the efficiency of biological sealant, an autologous fibrin glue, in dermatological surgery. **DESIGN:** Randomized clinical trial. **SETTING:** The Dermatology Service of Hospital das Clinicas, Universidade de Campinas (UNICAMP), referral center. **PATIENTS:** 14 patients with malign epithelial cutaneous tumors participated in the evaluation, each having two tumors, generally facial and symmetrical, in order to perform a comparative evaluation on the same individual. **PROCEDURES:** The glue was prepared beforehand with a sample of autologous blood. Surgical extirpation of the tumor was followed by grafts or second intention healing. **OUTCOMES:** The efficiency of the sealant was then evaluated in relation to hemostasis, adhesion, surgical time and evolution of the granulation tissue, clinically and histologically. **RESULTS:** Immediate hemostasis and graft adhesion, with a significant reduction of surgical time, and in the open wounds there was immediate hemostasis and a clinical increase in granulation tissue, but with no histological differences among the groups on the 7th day. **CONCLUSION:** It is an adjuvant resource in skin cancer surgery.