

Does fibrin glue reduce complications after femoral artery surgery? A randomised trial.

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Abstract:

Objectives: To determine whether application of fibrin glue before closure of inguinal wounds reduces the incidence of lymphatic complications. **Design:** we a prospective randomised trial. **Materials and methods:** 224 consecutive patients were enrolled. The wounds were randomly assigned to standard closure (group A, n = 134) or closure with application of fibrin glue (group B, n = 232). The incidence of local lymphatic and non-lymphatic complications, the amount of lymphatic fluid collected, and the time to drain removal were compared in the groups. **Results:** the incidence of lymphatic complications was 19% in group A and 10% in group B ($p = 0.027$). The average drain output and the time to drain removal did not differ in the two groups. The total incidence of non-lymphatic local complications was 10% and did not differ in the two groups. **Conclusions:** fibrin glue application is associated with a significant reduction in lymphatic complications. © 2002 Elsevier Science Ltd. All rights reserved.