

Fibrin glue as a biological adhesive. Its use for skin grafting in animal experiment. [Japanese]

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Abstract:

Experimental autologous skin grafting was performed using human fibrin glue in pigs, during the course of which all skin grafts showed good takes. Although the adhesive effect was very weak compared to the conventional suture method, fibrin glue showed a hemostatic effect against capillary oozing from the wound. In the histologic examination, a thin fibrin layer was observed on the recipient bed 2 days after surgery, but disappeared on day 7. The fibrosis tissue between the graft and the recipient bed with fibrin glue was thinner than with the conventional suture method a week postoperatively, but 2 and 4 weeks postoperatively, fibrosis tissue was slightly thicker in the former. No rejecting reactions were observed.