

Clinical use of fibrin glue in plastic surgery. [Japanese]

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Abstract:

This report is on clinical experience with the use of biological fibrin glue. This system consists of highly concentrated human fibrinogen, thrombin, CaCl_2 and aprotinin. Satisfactory results were obtained in these clinical trials of 20 cases of skin graft and flap operations for the purposes of adhesion, hemostasis and temporary covering of wounds. In our series, post-operative hemorrhage, hematoma, infection and dead space formation were not seen. No immunological side effects or post-operative deterioration of the liver function were observed, although three patients received treatment with this system two times. It is suggested that fibrin glue is effective for extensive skin grafting. Moreover, hemostasis and suture procedures will be simplified technically, and blood loss and time of operation will be reduced. This system will also be effective for temporary covering of the raw surface.