

The concentrated autologous tissue glue. [German]

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Abstract:

Since 1980 an autologous tissue glue has been used for microsurgery and plastic surgery at the University of Graz, Clinic for Oto-rhino-laryngology. This tissue glue is made from the patient's own blood plasma. The advantages are: No danger of an immune reaction or infection by virus hepatitis, no storage problems, easy to synthesize, few expenses. Because of the low concentration of fibrinogen, the stability at the beginning of gluing, compared to the other tissue glues, was less. We succeeded in producing a new autologous tissue glue with a highly concentrated amount of fibrinogen, which provided a better stability at the beginning of gluing. According to application, the content of fibrinogen can be varied. The adhesiveness of the concentrated autologous tissue glue was tested and compared to another kind of homologous tissue glue.