

The influence of local corticosteroids on the regeneration of nerve anastomoses fixed by fibrin adhesives. [German]

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Publication Date: 1990

Abstract:

Although the fibrin adhesion is being used in many areas of surgery with increasing success, it has, however, not become fully established in nerve anastomosis. At the beginning fibrin clots dissolved prematurely and dehiscences ensued. Antifibrinolytic substances had to be added to the adhesive to stabilize the clot. As a result fibroses occurred frequently, which up to now encumber nerve adhesive. The conventional suture technique is still not convincing also. Because reports showed a beneficial influence on conventional nerve sutures, the object of this study was a comparison between conventional suture technique and nerve anastomosis by fibrin adhesives with and without additive of corticosteroids. Electrophysiological methods were used, because regeneration is clinically determining. The results do not recommend the use of local corticosteroids in nerve anastomoses fixed by fibrin adhesive.