

[Electrophysiologic comparison between sutured and glued nerve anastomoses]. [German]

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Abstract:

Fibrinadhesives are successfully used in many areas of surgery, but they have not been generally adopted for the construction of neural anastomoses, even though the conventional suturing technique is also not completely satisfactory. In the early phase of fibrinotherapy, dehiscence occurred. The addition of antifibrinolytics has admittedly led to stabilization of the clots, but since the introduction of this procedure fibrosis has been observed with increasing frequency. This can cause even initially successful anastomoses to fail later. The objective of the work described in the present paper was to compare the conventional suturing technique and fibrinotherapy for the fixation of anastomoses. Electrophysiological methods of measurement were used, as it is ultimately the degree of reinnervation achieved that is of decisive importance. No significant difference was noted when an epineural technique was used.