

# **Fibrin glue versus conventional epineural suture for peripheral nerve repair. A comparative experimental study.**

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## **Abstract:**

An experimental study comparing the use of fibrin glue and conventional epineural suture with 10-0 nylon for the microsurgical repair of the sciatic nerve in rats, is presented. A quantitative comparison was achieved by counting the number of myelinated fibers and testing their resistance to traction. Under the conditions of the experiment, it was concluded that regarding the number of fibers, they were similar in both techniques. It was also concluded that the fibrin glue offers less resistance to traction than the conventional microsurgical suture. The fibrin glue simplifies and facilitates the repair of complex multiple injuries of peripheral nerves, those of difficult access and reduces the surgical time.