

Influence of delay and the effect of fibrin sealant on the cut surface of the peripheral nerve. An experimental study in the rat.

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Abstract:

Thirty-two sciatic nerves in 16 rats were divided to investigate the effect of delay in fixation and the use of fibrin sealant at the site of the division on the nerve end. Specimens were assessed by morphological and morphometric criteria using scanning electron microscopy and longitudinal sections. All specimens showed a protruded nerve end. Wrapping the nerve with fibrin sealant before division and immediate fixation of the specimen resulted in less protrusion.