

«ross Plastic» Neurotization at Patients With Proximal Damages of Peripheral Nerves. Aleksandr Zaremba



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Introduction

In this research authors investigate results of surgical treatment by a method «cross plastic» neurotization at patients with proximal damages of peripheral nerves of the upper and low extremities.

Methods

by Authors 40 patients are studied: 22 patients with damage of nerves of the upper extremities and 18 patients with damage of nerves of low extremities, from them 12 patients after primary reconstructive operations on nerves, 6 patients with postinjection nerve damage on proximal level, 16 patients with compression damage of nerves between October 2011 and December2015.

Conclusions

In our researches patients by whom the given method is applied have shown the best results, at surgery use in the early period. We believe that at proximal nerve damages, even after primary reconstruction of a nerve, the quantity functioning motor axons in the damaged nerve is lowered, in connection with additional connection of a source reinnervation the functional condition distal a nerve side that affects a condition of a working muscle, and also on afferent arch of a sensitive site improves.

Results

The average period of time from damage before nerve reconstruction a range from 2 about 4 months. At transfer of nerves of the upper extremities the average period of time from operation to NMG muscle restoration made 2,5-4 months. At neurotization peroneal nerve NMG signs appeared on the average in a range from 4.5 till 6 months. Use donors nerve and branches nerve ulnar, medianus, radial and tibial nerve considerably did not mention function of a brush and foot.

References

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Learning Objectives

The purpose of this research consisted in estimating results of a method cross neurotization applied at restoration of functions of a brush and foot at proximal damages of corresponding nerves.

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