

Laser Therapy And Electric Stimulation In Rehabilitation Treatment Of Peripheral Neuropathy

[Article in Russian]

Mirutova NF, Abdulkina NG, Luksha LV, Levitskii EF.

Vopr Kurortol Fizioter Lech Fiz Kult. 2002 Jul-Aug;(4):25-7.

73 patients with compression-ischemic myeloradiculopathy received treatment including infrared laser radiation on the paravertebral fields, motor points of the affected nerves and biologically active points Y63, Y67, YB34, YB42, YB43, E34, E42 (1.0-5.0 mW/cm²; 5 and 5000 Hz), electrostimulation of motor nerve points and innervated by them muscles by double square impulses with a fixed gap 5 ms. Impulse infrared laser therapy relieves pain syndrome, stimulates repair processes in the affected nerve structures. Further modified electric stimulation activates a regenerative growth of the nerve fibers, reinnervation of the limb muscles.

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Use Of Physical Factors In The Complex Therapy Of Patients With Diabetic Angio- And Polyneuropathies Of The Lower Extremities

[Article in Ukrainian]

Shablinskaia NB.

Lik Sprava. 2002 Jul-Sep;(5-6):62-5.

Results are submitted of treatment of 110 patients with diabetes mellitus (61 male and 49 female subjects) presenting with angio- and polyneuropathies of the lower extremities. 70 patients, in addition to a drug therapy, were administered physiotherapeutic treatments, such as amplipulsetherapy, darsonvalization, and laserotherapy. Forty patients received medicamentous therapy only. Based on clinical findings and laboratory methods of investigation expediency has been shown of employment of physiotherapeutic methods in the treatment of the above pathology.

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Laser Therapy And Cryomassage In Rehabilitation Of Patients With Facial Nerve Neuropathy

[Article in Russian]

Maslovskaja SG, Gusarova SA, Gorbunov FE, Strel'tsova EN.

Cryomassage and its combination with low-intensity infra-red laser radiation have been introduced as a novel treatment of facial nerve neuropathy (FNN) in 32 patients. Electrophysiological investigations (facial thermography, classical electrodiagnosis, electromyography of the mimic muscles) and clinical data including those of long-term follow-up show that neither cryomassage nor infra-red laser radiation studied promote transformation of facial tissues in FNN patients. Use of the above factors is effective in a preclinical stage of forming contracture of the mimic muscles. Special techniques of application of local hypothermia and laser radiation can be used in multimodality treatment of both the established contracture and sluggish paresis of the facial muscles.

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