

The Effect Of Endovascular Laser Therapy And Antioxidants On The Immune Status And Energy Metabolism Of Patients With Treatment-Resistant Forms Of Schizophrenia

[Article in Russian]

Zh Nevropatol Psikhiatr Im S S Korsakova. 1996;96(2):34-8.

Kut'ko II, Frolov VM, Pustovoi IuG, Pavlenko VV, Rachkauskas GS.

The influence of endovascular laser therapy and of antioxidants on clinical immunological indices and energy metabolism was analysed in 148 schizophrenic patients including 86 patients with shift-like progredient (first group) and 62 patients with continuous-progredient (second group) forms of the disease. Positive trends in psychosis course were observed in 57% of cases in the first group and in 41.9% of patients of the second group. Pronounced improvement of the immunological indices was observed in patients with positive clinical dynamics: decreased peripheral blood immunocytes sensitization to the brain, hepatic, thymus tissue antigens as well as ATP elevation which was evidence of the improvement of energy metabolism.

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Use of intravascular laser irradiation of blood in the treatment of drug-resistant forms of schizophrenia

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Zh Nevropatol Psikhiatr Im S S Korsakova. 1992;92(4):53-6.

Kut'ko II, Pavlenko VV, Voronkov EG.

Overall 62 schizophrenic patients resistant to all forms of treatment were examined for the clinical efficacy of the treatment method on the basis of intravascular laser blood irradiation. A detailed description of the method, equipment, optimal doses, and the degree of effect in different psychopathological syndromes are provided. The best results were obtained in cases where the depressive paranoid symptomatology was predominant. The authors give recommendations for practical use of laser therapy under the conditions of the psychiatric hospital, discuss its action mechanism.