Diabetic Retinopathy

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[Comparative effectiveness of different methods of quantum hemotherapy in the treatment of juvenile diabetic retinopathy]

[Article in Russian]
Nedzvetskaia OV.

Effects of ultraviolet exposure of the blood (UVEB), intravenous laser exposure of the blood (IVLEB), and transcutaneous magnetic laser exposure of the blood (TMLEB) on ocular functions, microcirculation, and hemodynamics were studied in 79 patients with juvenile diabetic retinopathy. All these treatments had a nonspecific positive effect on the spatial contrast sensitivity, microcirculation, and choroid hemodynamics of the eye. Correcting mainly intravascular changes in the microcirculatory bed, quantum hemotherapy methods are pathogenetically justified in the treatment and prevention of tissue ischemia in diabetic involvement of the organ of vision. Results of noninvasive TMLEB with generalized and local effects were statistically similar to results of invasive UVEB and IVLEB.