

Scleroderma

[Vestn Oftalmol.](#) 1995 Apr-Jun;111(2):10-2.

[Effects of low-intensity laser irradiation on several parameters of microcirculation in the bulbar conjunctiva of patients with scleroderma]

[Article in Russian]

[Podelinskaia LV](#), [Polunin GS](#), [Ermakova TM](#), [Rabieva GM](#).

Computer-aided analytical system of TV images (CASTI) of the anterior segment of the eye revealed an appreciable increase of the level of aggregation gradient in arterioles and venules of the bulbar conjunctiva of 37 children suffering from various forms of scleroderma, as against 18 healthy children. Exposure to low-energy laser of a close infrared band (approximately 890 nm) had a favorable impact on blood aggregation in patients with scleroderma. CASTI of the anterior segment of the eye proved to be an objective and highly informative method for the diagnosis and monitoring of the efficacy of various treatment modalities.