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EVALUATION OF THE EFFECTIVENESS OF NEUROPROTECTIVE THERAPY ON RETINAL MORPHOMETRIC PARAMETERS IN PRIMARY OPEN-ANGLE GLAUCOMA

Karimova M.Kh*; **Abulkasimova Kh.Kh****

*Republican Specialized center of eye microsurgery,
Tashkent, UZBEKISTAN

**Central Polyclinic Of JSC "Uzbekiston Temir Yullari",
Tashkent, UZBEKISTAN

ABSTRACT

Neuroprotective therapy refers to measures preventing damage to neurons in the retina and optic nerve. It should be carried out when the damage to the nervous tissue has not yet become irreversible [2, 3, 7, 8]. We examined 60 patients (120 eyes) with POAG I, II and III stages with the duration of glaucoma from 5 to 15 years. IOP was compensated by selective laser trabeculoplasty (SLT) surgery or local hypotensive therapy treated at the Central Polyclinic of JSC "UZBEKISTON TEMIR YULLARI", Tashkent. The patients were divided into 2 groups: group 1 (control) – 30 patients (60 eyes), who received only traditional medication therapy for glaucoma. Group 2 (main) consisted of 30 patients (60 eyes) who received OMK 2 in 1 drop 3 times a day for 1 month along with traditional medical treatment. All patients underwent the following ophthalmic examination methods with OCT, which was carried out on the device "3D OCT-1" by "Maestro 2". In this study, structural and functional progression in the control group was accompanied by a decrease in the thickness of the RNFL, GCC and the volume of the NRR. In the main group, these parameters were stable during the observation period or had a positive trend, which indicates the neuroretinoprotective effect of OMK 2. Thus, the use of OMK 2 allows improving the functional characteristics in patients with POAG. The positive effect is presumably associated with IOP control and neuroprotective properties of the medicine.

KEYWORDS: Primary Open-Angle Glaucoma, Neuroprotective Therapy, Optical Coherence Tomography, Citicoline (CDP-Choline).

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