

The Using of Microendoscopy in the Surgical Treatment of Posttraumatic Alterations of the Eyeball

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Advantages:

The ciliary body and the peripheral part of the retina are difficult for diagnostic assessment and intraoperative visualization. The necessity of visualization of intraocular foreign body and associated alterations, the development of anterior proliferative vitreo-retinopathy (PVR) and the complications caused by the PVR, the numerous peripheral retinal damages, require the intraoperative using of microendoscopy.

Methods:

127 patients were operated after penetrating injuries of the eyeball using microendoscopy. In all cases we used the microendoscope «Endo Îptiks», USA

Effectiveness / Safety:

The using of microendoscopy allowed to remove the foreign bodies located at the area of the ciliary body, at the periphery of the retina, to estimate the degree of the ciliary body damage, to localize the peripheral retinal damages. The using of microendoscopy in the diagnostics and the surgical treatment of posttraumatic eyeball alterations allows to estimate the changes of the difficult to the visualization intraocular structures (the ciliary body, the periphery of the retina and the vitreous body), to elaborate the adequate tactics of the surgical treatment.