Side effects from Cidofovir™ intravitreal injection in the cases with absolute painful glaucoma
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The main purpose of our work was to evaluate side effects of intravitreal Cidofovir 0.02 cc in comparison with condition before the injection in absolute painful glaucoma. All injections were done at the glaucoma department of S.V. Malayan’s Eye Center in the period of 2007-2009 yy. Under our control were 56 patients with absolute painful glaucoma whom at different period from the beginning of pain intravitreal Cidofovir™ injection was performed. In all cases the intraocular pressure (IOP) was decreased to the low normal range. The other sign of effectiveness was relived pain, which was achieved at the one week to one month period from injection. In all cases we had choroidal detachment from flat to significant. Most frequent side effect was corneal thickening and some changes of eye color (80%), hyphema (6% cases), eyeball subatrophy (4%). No cases for enucleation or evisceration. In 2 cases second intravitreal injection was done in 14 days after the first injection. No signs of infection has been seen. The hyphema was resolved maximum in one week to one month, severe subatrophy of eyeball was only in one case and patient started to wear prosthesis on the eyeball. Most often was found the compliance to the “change of color” of the eye. On 8 cases corneal tattoo was done to fix the condition. We have now 2 years follow up for some patients with no meds and no compliance. Our results showed that the intravitreal Cidofovir injection lowers IOP to the average of 8-12 mmHg. Initial IOP plays no role for the level of IOP decreasing. The severity of pain depends of initial pain: as the pain before the injection too severe, it stays longer after that, but no more than 1 month. Cosmetical discomfort for eye color changes was covered by tattoo very effectively. Hyphema resolved in all cases. In 56 cases only one needed prosthesis to recover eyelid ptosis due to eyeball subatrophy. All the side effects were not significant compare with discomfort in absolute painful glaucoma. No regular drops needed lifetime. Cidofovir intravitreal injection is very effective management for absolute painful glaucoma. Side effects such as corneal folds and eye color changes, choroidal detachment, hyphema and eye subatrophy can effectively fixed by different interventions. Stop of all antyglaucoma medications in non seeing eyes, preventing eye removing worth all those side effects seen from Cidofovir injection.

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