

POST-OPERATIVE INFLAMMATION IN MICROPHTHALMOS -- A CASE REPORT

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Purpose: To report the severe post-operative iritis in a microphthalmos patient with cornea opacity and glaucoma, following penetrating keratoplasty and cataract surgery.

Method: an interventional case report

Results: A 60-year-old man had microphthalmos with glaucoma and corneal opacity in both eyes. He lost the vision of his right eye after cataract surgery due to severe post-operative inflammation in 2001. Because of progression of cataract in the left eye, he then received penetrating keratoplasty combined with cataract extraction and intraocular lens implantation in 2006. Although the operation was quite smooth and uneventful, the patient also suffered from severe iritis and uveal effusion post-operatively. The results of autoimmune profiles were all normal. The inflammation gradually subsided following intensive systemic and topical steroid treatment. The visual acuity of the left eye improved from counting finger 20 cm to 20/50 postoperatively. One year later, the vision decreased to 20/200 due to the progression of prelental membrane.

Conclusion: Microphthalmos with corneal opacity is a rare disease. It may have an unusually severe iritis after penetrating keratoplasty and cataract surgery. Intensive systemic and topical steroid are necessary to control acute inflammation and long-term steroid treatment can prevent further visual loss.

Key Words: microphthalmos, cataract surgery, iritis, uveal effusion

INTRODUCTION

Nanophthalmos, which indicates a small eye without ocular malformation, is part of the clinical spectrum of

microphthalmos.¹ Microphthalmos usually indicates a small eye with some ocular malformation and is characterized by shorter axial length (usually less than 21.0 mm), shallow anterior chamber, hyperopia and retinal-choroidal-scleral thickening.² Some diseases may asso-

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