



Clinical features and treatment of endophthalmitis after cataract surgery

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ABSTRACT. The aim of this study was to investigate the clinical features and treatment results of endophthalmitis after cataract surgery. Five patients with endophthalmitis after phacoemulsification with intraocular lens implantation were enrolled in this study. The pathogenesis, clinical manifestation, and surgical outcomes of 5 patients were compared. Three patients were surgically treated with anterior chamber irrigation and vitrectomy with intravitreal injection. The remaining two patients were medically treated with an intravitreal injection of vancomycin and ceftazidime. Treatment results of the five patients were analyzed. Four patients had positive cultures for bacteria (two cases *Staphylococcus epidermidis*, one case *Enterococcus faecalis*, and one case head-like *Staphylococcus*). The culture of the fifth patient did not have bacterial growth. One year following treatment, four patients had restored visual acuity and a clear vitreous cavity. Retinal detachment and other complications were not observed. The remaining patient had a visual acuity of index at 30 cm one year following treatment. For patients with endophthalmitis after cataract surgery, a biochemical laboratory examination should be promptly performed

and should include a bacterial culture and drug sensitivity test. When necessary, vitrectomy combined with an intravitreal injection of vancomycin should be performed to treat the infection early and to help retain useful vision.

Key words: Cataract; Clinical feature; Endophthalmitis; Treatment