

Abstract 227

SURGICAL TREATMENT IN POST-TRAUMATIC ENDOPHTHALMITIS.

Gonzalez--Cortes J.H.*, Garza--Chavarria J.A., Gonzalez--Cantu J.E.

University Hospital. Faculty of Medicine. UANL. ~ Monterrey ~ Mexico

Introduction:

Post-traumatic infectious endophthalmitis is a severe complication of ocular trauma. The etiology of endophthalmitis is considered exogenous or endogenous and involves infection of the anterior and posterior segments of the eye. The purpose of this presentation is to show the efficacy of early vitrectomy in the treatment of post-traumatic endophthalmitis, and to discuss different points of importance to keep in mind during the surgical procedure.

Materials and methods:

Presentation of two cases in different scenarios of endophthalmitis treated with vitrectomy during the first 72 hours after ocular trauma. The first case with blunt trauma in a patient with a history of phacoemulsification surgery three weeks before and the second patient with a history of open eye trauma.

Results:

In both patients, timely vitrectomy allowed a controlled procedure with better visibility and less retinal inflammation. Vitreous culture showed the presence of *Staphylococcus epidermidis* in both cases.

Conclusions:

Post-traumatic infectious endophthalmitis is a severe complication of ocular trauma. The wound should be closed within 24 hr of the trauma for better results. Consider PPV as the gold standard since infection and inflammation are more destructive than the adverse effects of surgery.