

Endophthalmitis - medical and surgical management

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ABSTRACT

Endophthalmitis is accumulation of pus in the eye or ocular cavity and it is divided into endogenous (usually happens in an immune compromised individual) and exogenous (usually related to trauma and postocular surgery). Endophthalmitis a blinding condition that if diagnosed and treated optimally, at the onset, could save vision. This talk is going to focus more on post-operative endophthalmitis. The Endophthalmitis Vitrectomy Study (EVS) has been the guide to managing acute post cataract surgery ocular infection for more than 20 years. But there have been modifications in approach to treatment and this includes first-line antibiotics and indication for surgical intervention. Surgical approach has been more dynamic and has proven to decrease complications and restore vision.

Complications of diabetic vitrectomy

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ABSTRACT

Diabetic retinopathy is a chronic, sight-threatening disease of the retinal microvasculature associated with prolonged uncontrolled hyperglycemia. Prognosis of surgical treatment such as vitrectomy with or without intraocular anti-vascular endothelial growth factor (anti-VEGF) depends mostly on the duration and structures involved. Advanced diabetic eye disease renders variable and sometimes unpredictable visual outcome. Better surgical instrument, viewing system and the emergence of adjuvant therapy potentially reduce the intraoperative and postoperative complication. Anatomical outcome has improved with less complications. But visual outcome is still a challenge as the recovery post-surgery does not only rely on the ocular factors but also influenced by the patient's systemic condition. We will be discussing on the potential issues from the surgery involving diabetic-related complications.