

# A severe case of bilateral fungal endogenous endophthalmitis with unfavourable outcome

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## ABSTRACT

Endogenous endophthalmitis is uncommon and challenging condition. The case usually has poor visual outcome. We report a case of a 73-year-old woman, presented to emergency department for sudden painful blurring of vision over both eyes for 3 days. She denies any history of trauma. She also had productive cough 2 weeks prior to presentation and was treated with oral antibiotic. Upon initial presentation, the visual acuity was projection of light of all quadrants for both eyes. In the right eyelids swollen, with injected conjunctiva. There was severe anterior segment inflammation with no fundus view. B-scan performed noted loculation. She was covered for pneumonia concurrently as the white blood cell count was raised and clinically there was crepitation over left lung. Abdominal ultrasound showed no abscess and no vegetation from ECHO. Vitrectomy and intravitreal antibiotic injection were performed for both eyes under the impression of endogenous endophthalmitis. Culture revealed fungal of *Pyrrhoderma noxium* over the right eye and *Nigrospora* species over the left eye. The culture taken from aqueous and vitreous humour sampling. However, blood culture showed no growth. Following vitrectomy, her eyes condition did not improve, leading to blindness. Early and accurate diagnosis, with immediate treatment, plays a crucial role in managing cases of fungal endogenous endophthalmitis. Despite intensive antifungal treatment visual outcomes tend to be unfavourable in most cases of this condition.