

**ENDOGENOUS CRYPTOCOCCAL ENDOPHTHALMITIS IN IMMUNOCOMPETENT HOST:  
CASE REPORT AND REVIEW OF ADJUNCTIVE OPHTHALMIC IMAGING PATTERNS AND TREATMENT**

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**Abstract**

**Purpose:** To describe a case of bilateral endogenous cryptococcal endophthalmitis in immunocompetent host and review of adjunctive ophthalmic imaging patterns and treatment.

**Methods:** A retrospective case report

**Results:** A 45-year-old female patient with two distinct presentations of endogenous cryptococcal endophthalmitis between both eyes presented with initial symptom of progressive blurred vision on the left eye, beginning more than 10 years after craniotomy with ventriculoperitoneal shunt. Complete ophthalmic imagings were conducted and also compared with the data from previous literatures. Administration of amphotericin-B had poorly responded, however, consolidation of fluconazole resulted in disease stabilization.

**Conclusion:** Bilateral intraocular cryptococcal infection can present in two distinct patterns of posterior segment findings. A review of ophthalmic imaging patterns found no characteristics of A-scan ultrasonogram, optical coherent tomogram, fundus fluorescein angiogram, and indocyanine green angiogram. Besides conventional treatment, fluconazole and voriconazole are likely to play an important role in the management of cryptococcal endophthalmitis.

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