

## **A Case Report of successfully treated Microsporidial Keratitis at a Tertiary Care Centre in Western India**

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### **ABSTRACT:**

A 43 year old male patient, who was initially diagnosed with chronic viral stromal keratitis but was refractory to conventional treatment, underwent a corneal biopsy on the basis of strong clinical suspicion. The biopsy revealed the presence of multiple microsporidial spores. Treatment with Polyhexamethylene Biguanide (PHMB) and Chlorhexidine showed poor response. A therapeutic penetrating keratoplasty under the cover of Fluoroquinolones led to successful resolution of the infection. To our knowledge, this is the first case of microsporidial keratitis being reported from our region.

**Keywords:** Fluoroquinolones, Microsporidiosis, Penetrating keratoplasty, Stromal keratitis.

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