

## FONSECAEA FUNGAL KERATITIS AFTER RADIAL KERATOTOMY -- A CASE REPORT

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**Purpose:** To report a case of ulcerative keratitis caused by *Fonsecaea* sp. after radial keratotomy.

**Method:** Case report.

**Result:** A 24 year-old female developed left eye pain two weeks after radial keratotomy. She was transferred to our hospital due to progressive pain despite of topical antibiotics treatment. The slitlamp biomicroscopic examination revealed a 5mm ring shape infiltrate up to 1/2 corneal depth with surrounding corneal edema. Initial smear from scrapping specimen did not show any pathogen. The culture revealed *Fonsecaea* sp. a chromoblastomycosis. The infiltrate progressed along the RK wound and intractable ocular pain developed even under the antifungal treatment with topical Amphotericin B and oral Ketoconazole. Therapeutic penetrating keratoplasty with glycerol preserved cornea was performed 3 weeks after initial presentation. The infection was controlled and pain was relieved postoperatively. Fungal hyphae was identified on GMS and PAS stains of corneal button. She received an optical PK 6 months later with clear graft and corrected vision 20/40 till now.

**Conclusion:** *Fonsecaea* sp. fungal ulcerative keratitis may occur after RK. Accurate diagnosis with proper medication and surgical intervention can cure the infection with favorable visual outcome.

**Key words:** *Fonsecaea*, Fungal keratitis, Radial keratotomy

### CASE REPORT

A 24 year-old female developed painful left eye

two weeks after radial keratotomy (PK). She was transferred to our hospital due to progressive ocular pain despite of topical antibiotics treatment. Visual acuity was right eye, 20/20 and left eye, counting finger at 2

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