

X CONGRESSO BRASILEIRO DE CATARATA E CIRURGIA REFRATIVA

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Título: Rare and Unusual Cases Involving the Cornea - Sclera

History

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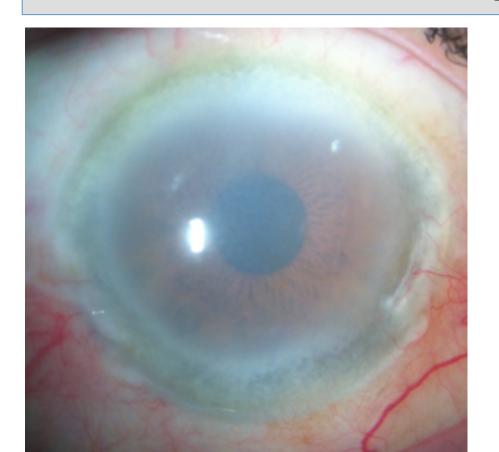
Palavras-chave: Rhinosporidiosis; LCAT; Pellucid Marginal Degeneration; Blueberry Eye.

Case Report 1

History

65-year-old white man with bilateral low visual acuity in the presence of corneal opacities.

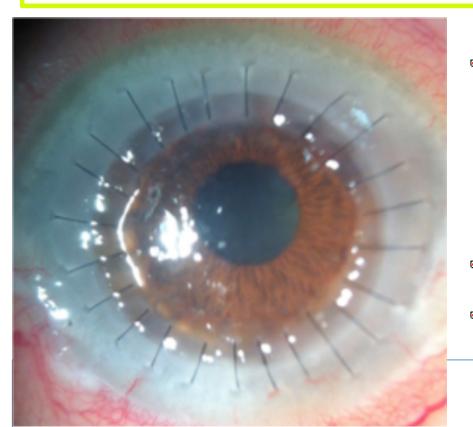
Biomicroscopy: Conjunctiva clear and quiet; Cornea: symmetrical diffuse, hazy cloudiness of the corneal stroma, mild nasal vascularization OD, no PKs; Anterior chamber: deep and free of cells and flare; iris was normally pigmented.



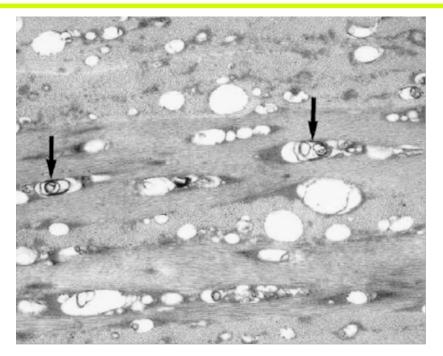
- **⊙** OD: 20/70
- **S** OS: 20/50



- high-density lipoprotein (HDL) cholesterol was 9 mg/dl (normal: > 40 mg/dl),
- triglycerides were 139 mg/dl (normal: < 200 mg/dl).



- □ Patient underwent a deep anterior lamelar keratoplasty (DALK) in his
- **Corneal analysis**
- **Genotype analysis**



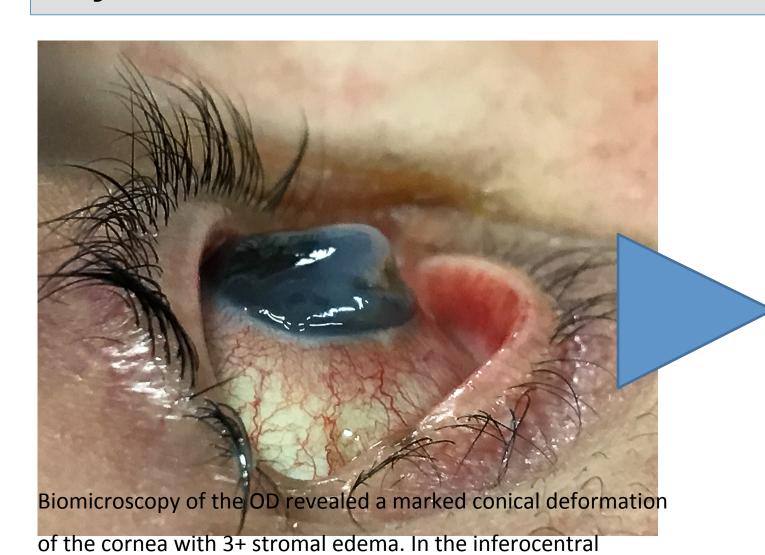
Conclusion

- HDL cholesterol was 9 mg/dl; triglycerides were 139 mg/dl, No proteinuria
- The genotype analysis (PCR amplification and sequencing of the LCAT gene)
- detected a heterozygous defect caused by a single-nucleotide substitution at codon 123 of LCAT gene in our patient.
- **LCAT** deficiency: Fish-eye disease.

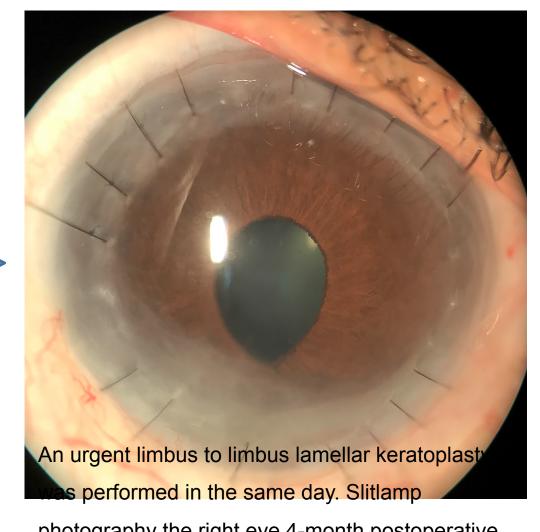
Case Report 3

History

43-year-old Brazilian woman was reffered by na outcide ophthalmologist for evaluation of acute decrease of vision in her OD Medical history: diagnosis of pellucid marginal degeneration more than 10 years earlier.



cornea, aqueous was noted to emanate from a pinpoint foci of leakage in the area of maximal steepness, and anterior chamber was flat.



photography the right eye 4-month postoperative after lamellar keratoplasty presenting a small peripheral anterior synechiae.

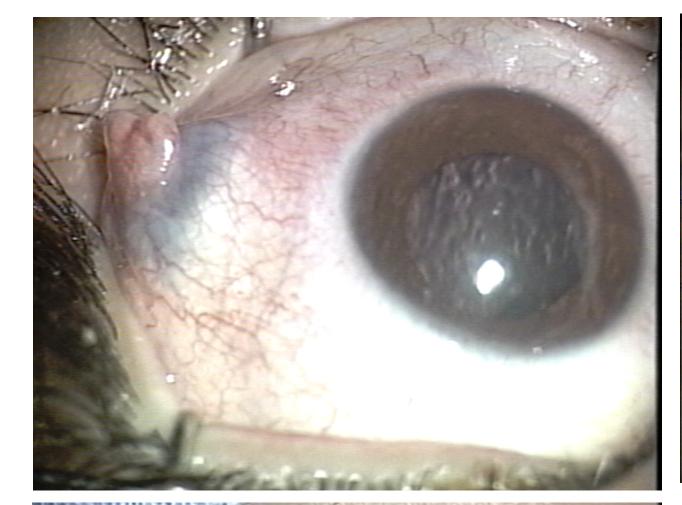
- Visual Acuity OD: 20/40

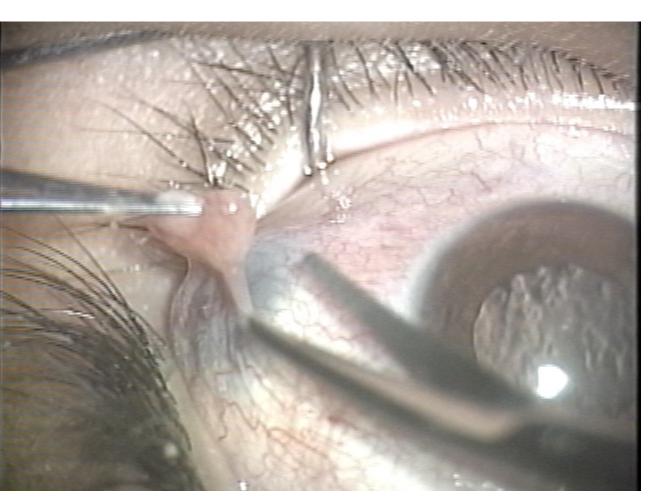
Case Report 2

12-year-old white boy with a protrusion of a mass in the temporal sclera in his OS (8 months). BCVA: 20/20 OU

Biomicroscopy

☑ Conjunctiva clear and quiet with a solitary pedunculated vascular mass above a thinning sclera protrusion Cornea: transparent; Anterior chamber: deep and free of cells and flare; iris was normally pigmented.





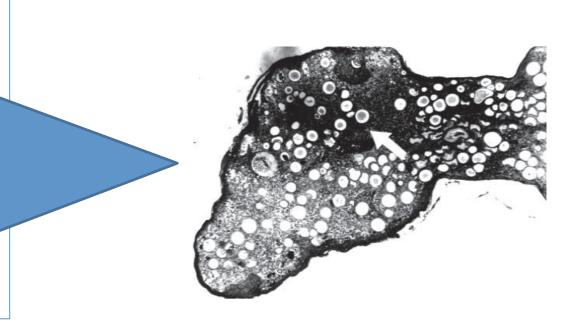




Treatment: Surgery

The histopathology of the specimen was consistent with

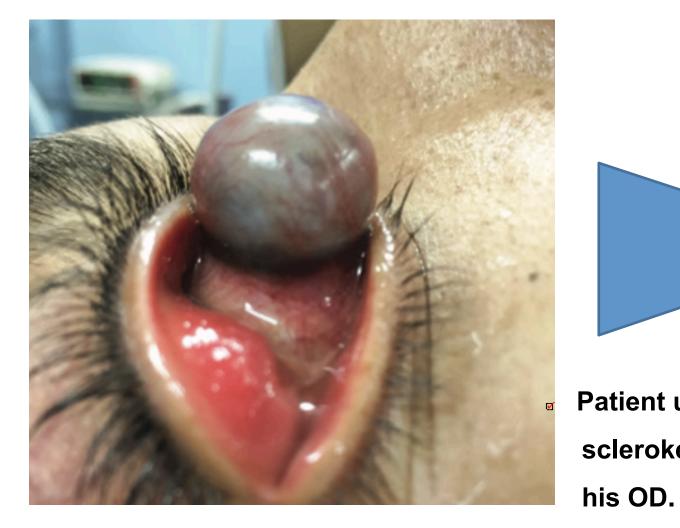
RHINOSPORIDIOSIS

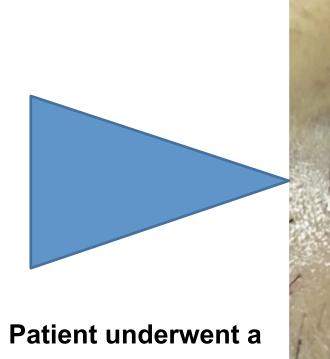


Case Report 4

History

30-year- old black man with a protrusion and extreme thinning of the entire cornea OD. BCVA: OD = LP, OS = 20/25





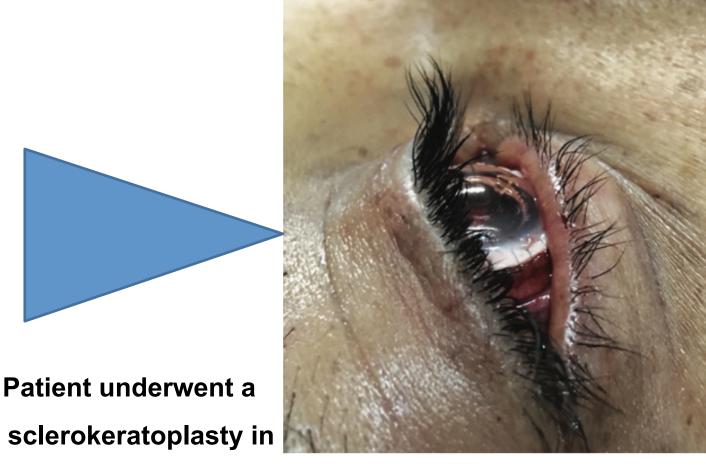


Figure 2. The immediate postoperative appearance of the eye