

Managing Intractable Acanthamoeba Keratitis with Collagen Cross-linking

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Acanthamoeba keratitis is a rare, sight-threatening corneal infection affecting mainly contact lens wearers.

A twenty-two-year-old male, known user of contact lenses presented with a painful red eye, photophobia, and excessive lacrimation. A diagnosis of acanthamoeba keratitis was made based on clinical examination, which revealed a discoid opacity at the center of the cornea. The response to anti-microbial and anti-amebic medications (Brolene) was poor; therefore collagen cross-linking (CXL) with exposure to riboflavin and UV-A light was performed which revealed a dramatic response.