

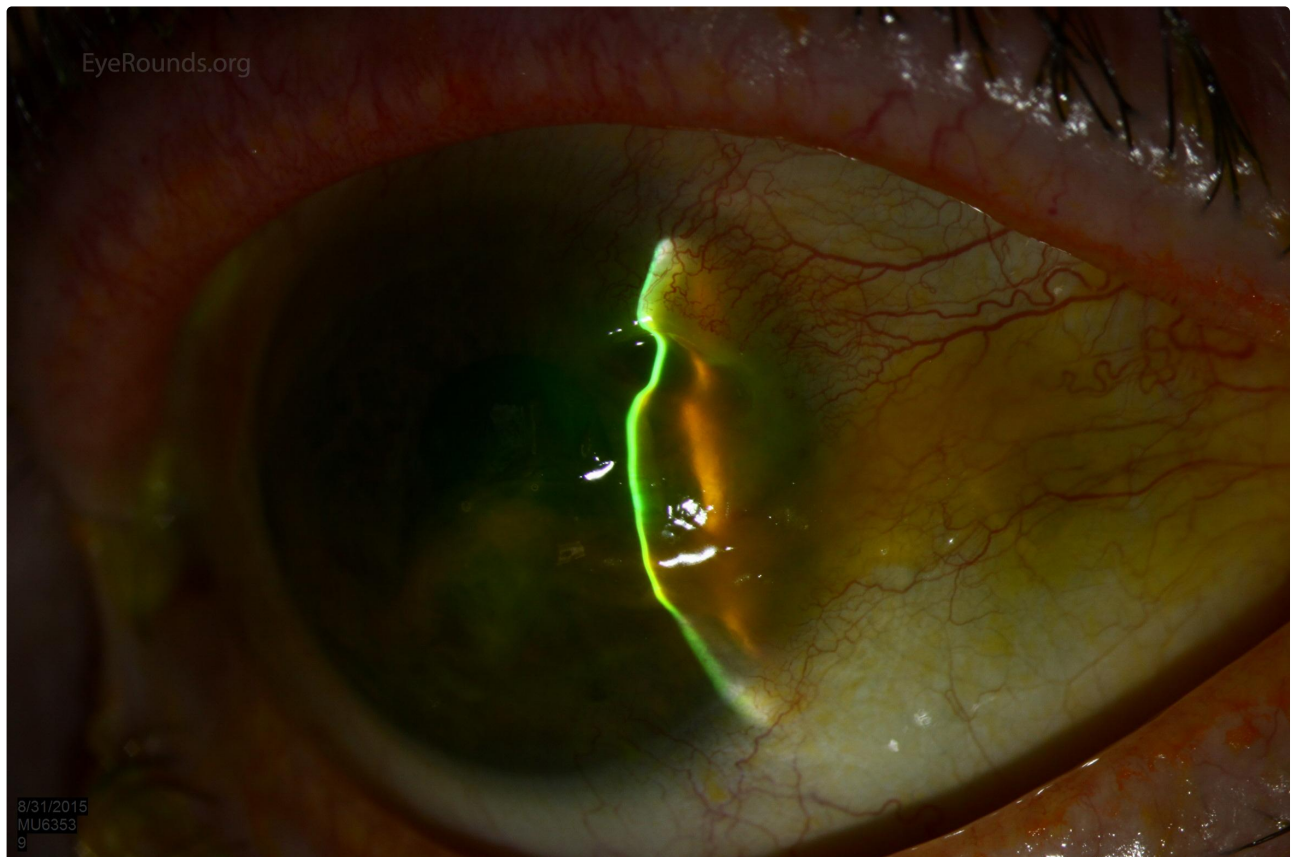
Cyanoacrylate adhesive for corneal perforation secondary to peripheral ulcerative keratitis (PUK)

Category(ies): Cornea

Contributor: [Jesse Vislisel, MD](#)

Photographer: Stefani Karakas, CRA

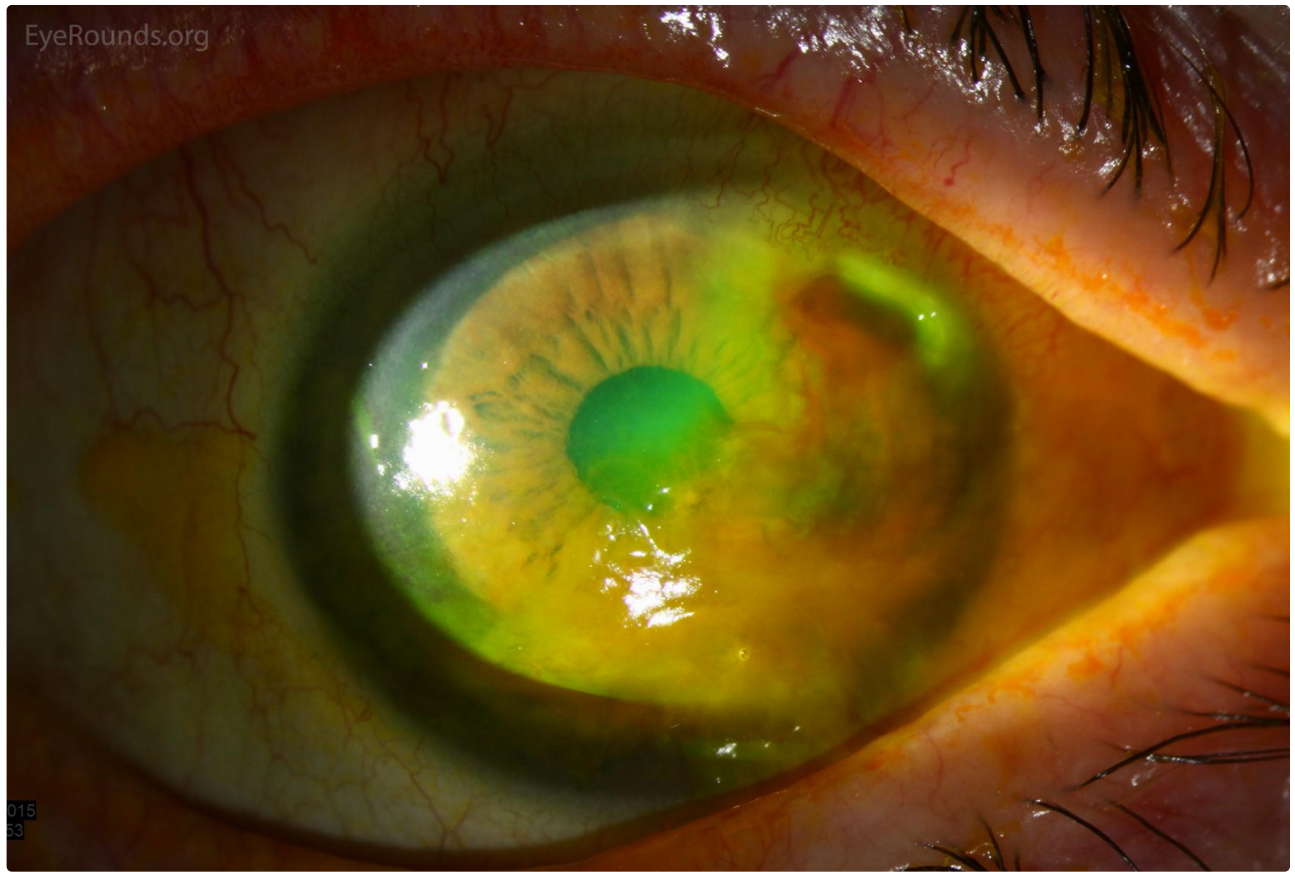
Cyanoacrylate adhesive is a synthetic compound that rapidly polymerizes upon contact with the dry ocular surface. It is useful to temporarily provide tectonic support for ocular perforations up to 2-3 mm in diameter and has been demonstrated to have antibacterial properties (1). The top photographs show the appearance of a patient upon presentation with [peripheral ulcerative keratitis](#) in the setting of poorly-controlled rheumatoid arthritis. The severe corneal thinning continued to progress despite medical therapy, resulting in corneal perforation. The bottom photographs show the appearance after stabilization with cyanoacrylate adhesive and several days of oral prednisone and doxycycline.



8/31/2015
MU6353
9

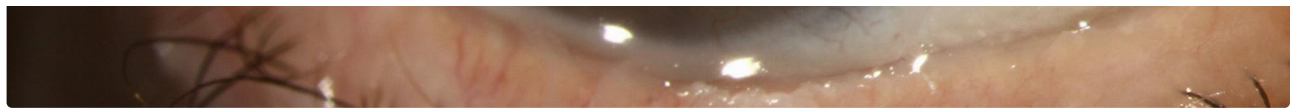
 Enlarge

 Download



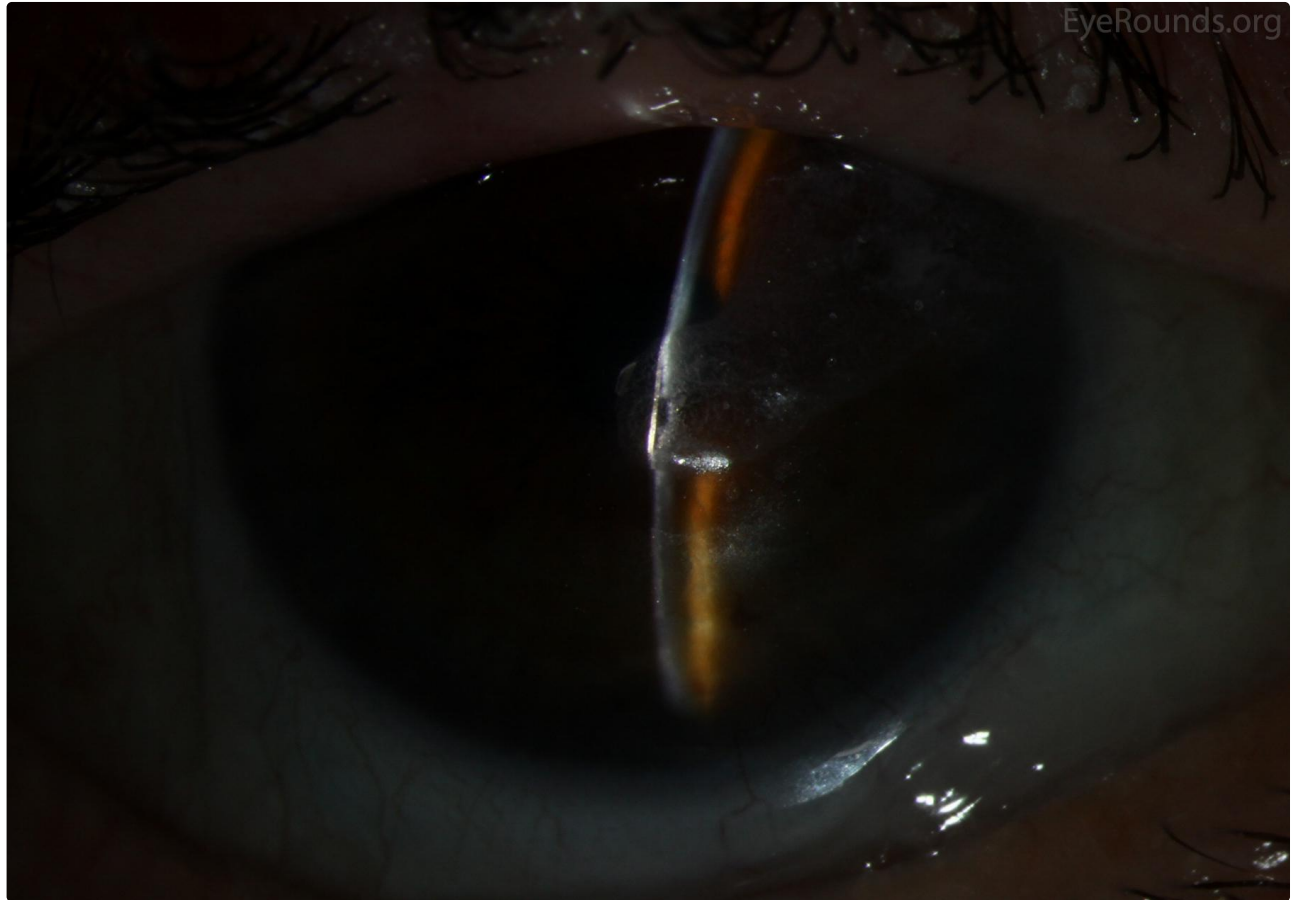
[Enlarge](#) [Download](#)





 Enlarge

 Download



 Enlarge

 Download

Reference:

(1) Eiferman RA, Snyder JW: Antibacterial effect of cyanoacrylate glue. Arch Ophthalmol. 1983;101:958-960. PMID: 6683097

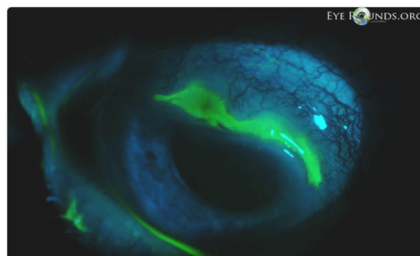
Image Permissions:



Ophthalmic Atlas Images by EyeRounds.org, The University of Iowa are licensed under a Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License.



Related Articles





[Related Case: Peripheral ulcerative keratitis \(PUK\)](#)

[Related Atlas Entry: Peripheral ulcerative keratitis \(PUK\)](#)

Address

University of Iowa
Roy J. and Lucille A. Carver College
of Medicine
Department of Ophthalmology and
Visual Sciences
200 Hawkins Drive
Iowa City, IA 52242

[Support Us](#)

Legal

Copyright © 2019 The University of
Iowa. All Rights Reserved
[Report an issue with this page](#)
[Web Privacy Policy](#) |
[Nondiscrimination Statement](#)

Related Links

[Cataract Surgery for Greenhorns](#)
[EyeTransillumination](#)
[Gonioscopy.org](#)
[Iowa Glaucoma Curriculum](#)
[Iowa Wet Lab](#)
[Patient Information](#)
[Stone Rounds](#)
[The Best Hits Bookshelf](#)

EyeRounds Social Media

Follow



[Receive notification of new cases,
sign up here](#)
[Contact Us](#)
[Submit a Suggestion](#)