

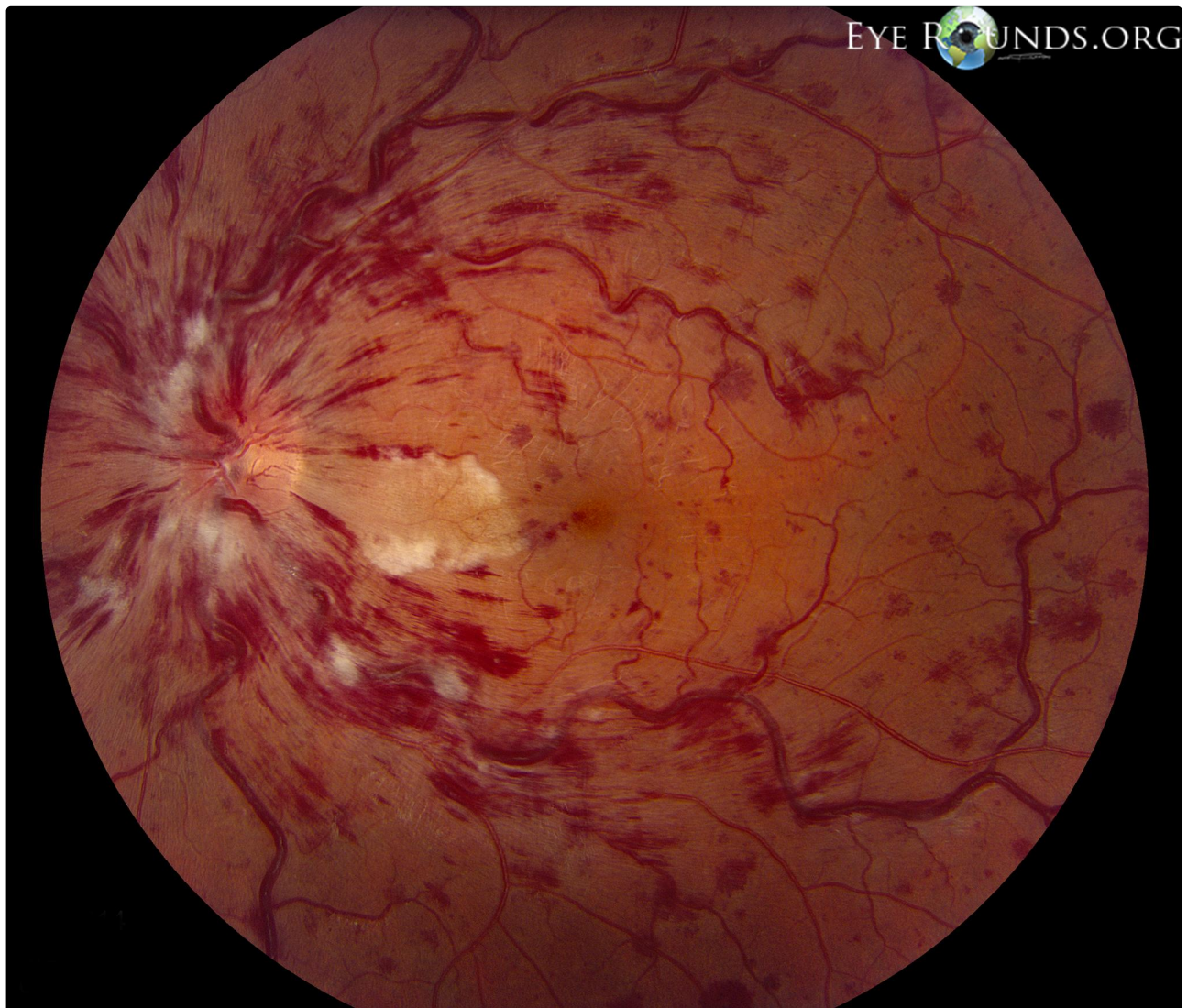
Central retinal vein occlusion with cilioretinal artery occlusion

Category(ies): Retina, Vitreous

Contributor: [Jesse Vislisel, MD](#)

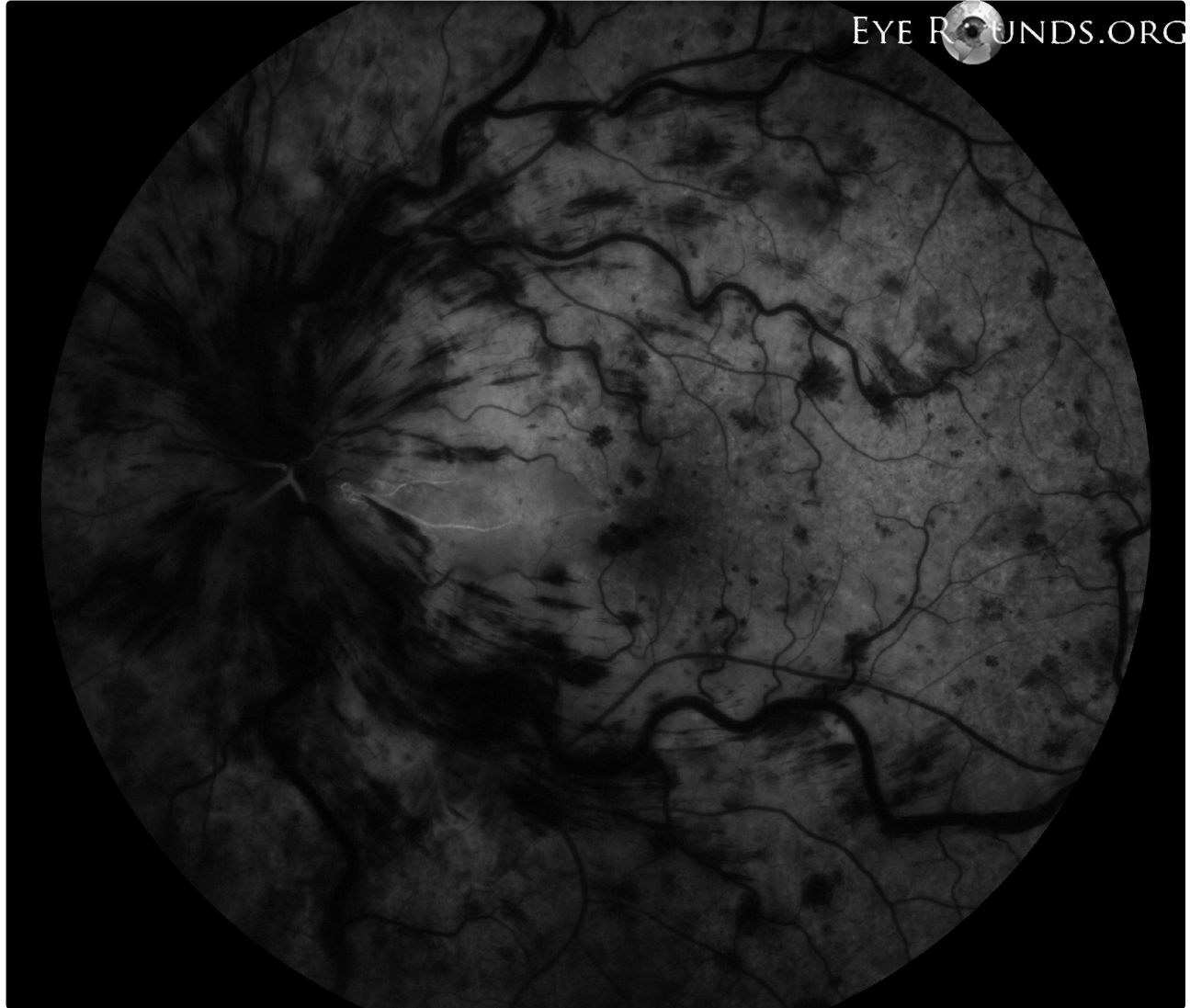
Photographer: Toni Venckus, CRA

Cilioretinal artery occlusion (CLRAO) often occurs in the setting of a central retinal vein occlusion (CRVO). This lack of perfusion in the cilioretinal artery results from a functional hemodynamic block as the low perfusion pressure of the choroid, which supplies the cilioretinal artery, is unable to overcome the elevated venous pressure which results from the CRVO. The central retinal artery, however, is still able to perfuse due to its baseline higher perfusion pressure and ability to autoregulate its intraluminal pressure. In this photo, there are diffusely scattered intraretinal hemorrhages and cotton wool spots with associated venous distention and tortuosity secondary to the CRVO. Note the area of retinal whitening extending from the temporal disc into the macula in the region perfused by the cilioretinal artery. The fluorescein angiogram confirms that this is a cilioretinal artery as it fills with the choroid, prior to the filling of the central retinal artery.



 [Enlarge](#)

 [Download](#)



Enlarge

Download

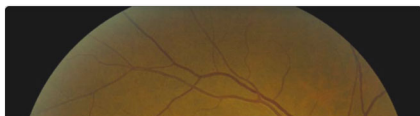
Image Permissions:



Ophthalmic Atlas Images by EyeRounds.org, The University of Iowa are licensed under a [Creative Commons Attribution-NonCommercial-NoDerivs 3.0 Unported License](https://creativecommons.org/licenses/by-nc-nd/3.0/).



Related Articles





[Related Atlas Entry: Cilioretinal Artery Occlusion](#)

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](#)