A 73-year-old man with hypertension and hyperlipidemia was seen in clinic complaining of decreased vision in his right eye. Bedside examination demonstrated a right eye inferior lateral visual field defect due to ischemic optic neuropathy and 2 bright intraluminal yellow plaques located in 2 different arteriolar bifurcations (figure). Carotid ultrasound showed an unstable, mobile, nonocclusive, ulcerated plaque in the right carotid bifurcation (see video on the Neurology® Web site at www.neurology.org). Hollenhorst plaques are cholesterol crystal emboli thought to originate from the ipsilateral carotid artery bifurcation that, in the absence of amaurosis fugax or stenosis, are not associated with an increased risk of ipsilateral cerebral infarct.2

AUTHOR CONTRIBUTIONS
Dr. Gonzalez-Castellon and Dr. Kadakia: study concept and design, acquisition of data, analysis or interpretation of data, and drafting of the manuscript. Dr. Willey: critical review of the manuscript for important intellectual content and study supervision. Dr. Rudich: study concept and design, acquisition of data, and analysis or interpretation of data. Dr. Odel: critical review of the manuscript for important intellectual content and study supervision.

STUDY FUNDING
No targeted funding reported.

DISCLOSURE
M. Gonzalez-Castellon, P. Kadakia, and J. Willey report no disclosures. Dr. Willey is funded by National Institute of Neurological Disorders and Stroke K23 NS 073104. D. Rudich reports no disclosures. J. Odel is a consultant for Bayer. Go to Neurology.org for full disclosures.

REFERENCES
Teaching Video NeuroImages: Hollenhorst plaque
Marco Gonzalez-Castellon, Paloumi Kadakia, Joshua Willey, et al.
Neurology 2013;81:e60
DOI 10.1212/WNL.0b013e3182a2ce2b

This information is current as of August 26, 2013

Updated Information & Services including high resolution figures, can be found at: http://n.neurology.org/content/81/9/e60.full

Supplementary Material Supplementary material can be found at: http://n.neurology.org/content/suppl/2013/08/25/81.9.e60.DC1

References This article cites 2 articles, 0 of which you can access for free at: http://n.neurology.org/content/81/9/e60.full#ref-list-1

Subspecialty Collections This article, along with others on similar topics, appears in the following collection(s):
All Neuro-ophtalmology http://n.neurology.org/cgi/collection/all_neuroophthalmology
Retina http://n.neurology.org/cgi/collection/retina

Permissions & Licensing Information about reproducing this article in parts (figures, tables) or in its entirety can be found online at: http://www.neurology.org/about/about_the_journal#permissions

Reprints Information about ordering reprints can be found online: http://n.neurology.org/subscribers/advertise