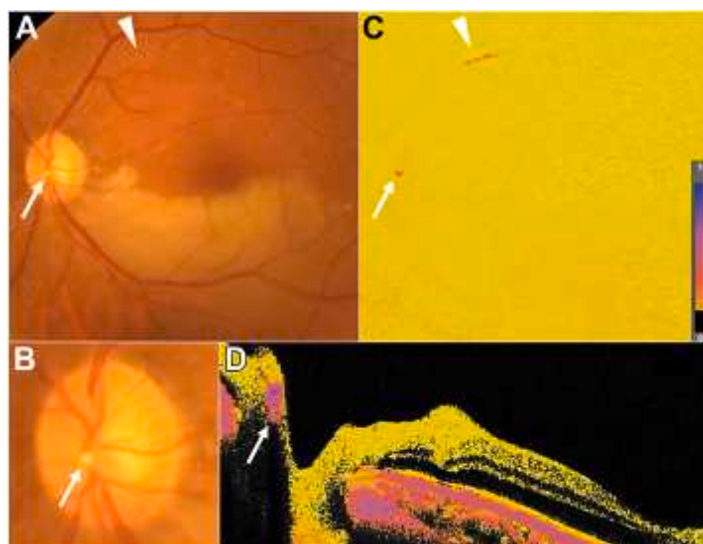




Retinal Arterial Emboli Visualized by Polarization-Sensitive OCT

A 68-year-old man with branch retinal artery occlusion underwent imaging with polarization-sensitive OCT (PS-OCT), which measures polarimetric entropy representing the degree of randomness of polarization in backscattered light, enabling visualization of embolic material. (A) Fundus photography showed retinal whitening in the inferior macula. (B) A Hollenhorst plaque (arrow) was visible in the retinal artery near the central retinal artery. (C) An en face PS-OCT image demonstrated a high-entropy lesion corresponding to the plaque (arrow) and an additional asymptomatic embolus in the superior artery (arrowhead). (D) A PS-OCT B-scan revealed a focal intraluminal high-entropy lesion nasal to the optic disc. (Magnified version of Figure A-D is available online at www.aaojournal.org).

RYO TERAOKI, MD, PhD

SHUICHIRO AOKI, MD, PhD

KEIKO AZUMA, MD, PhD

Department of Ophthalmology, University of Tokyo School of Medicine, Hongo, Bunkyo-Ku, Tokyo, Japan
