

Disclosures

- No relevant disclosures
- Consultant for GenSight Biologics

71 yo man

• With acute visual loss in one eye...



Anterior Ischemic Optic Neuropathy

- Not the same kind of "stroke" Small vessel disease
- Think giant cell arteritis:
- Older than 50 yo
- Transient or permanent visual loss



N Engl J Med 2015; 372:2428-2436

















Acute Retinal Ischemia (OAO/CRAO/BRAO/TVL)

- Risk of stroke highest within a few days after visual loss
- Urgent workup allows immediate identification of major cause associated with highest risk of stroke
- Carotid atheromatous stenosis
- Carotid dissection
- Cardiac source of emboli (atrial fibrillation)



International Guidelines Stroke Addedimentation of Stroke in Patients With Stroke or Transient Ischemic Attack A Guidelines for the Prevention of Stroke in Patients With Stroke or Transient Ischemic Attack A Guideline for Healthcare Professionals From the American Heart Association/American Stroke Association Stroke, 2011;42:227-276; originally published online October 21, 2010: "Any patient with suspected TIA or those with a<u>cute retinal</u> ischemia should be evaluated urgently in order to identify those at high risk of immediate cerebral infarction and cardiac ischemia""



























Call the Emergency Department Triage Provider:

- "I am sending you a patient who had
- A stroke in the eye
- For immediate stroke workup and treatment by stroke neurology"



Acute Retinal Ischemia: What to Do?

, MD,^{1,2} Fadi Nahab, MD

- Educate and help your colleagues
 Establish a network with closest
 Management of Acute Retinal Ischemia Follow the Guidelines!
- Establish a network with closest Stroke Center and local stroke neurologist
- Simple message:
- 1) Make the correct diagnosis
- 2) Send the patient immediately to
- a Stroke Center

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Sensitive Emergency Department 1 hours after acute visual loss 1 hours after acute visual loss

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