Case UpDDzKjQWkKpSqY11782 Details

**Demographics**

* 58-year-old Filipino male; accountant

**Chief complaint**

* blurry vision

**History of present illness**

* Character/signs/symptoms:decreased vision at near with current glasses
* Location:OD, OS
* Severity:mild
* Nature of onset:gradual
* Duration:6 months
* Frequency:constant
* Exacerbations/remissions:better if he holds reading material further away
* Relationship to activity or function:near vision only; distance vision is adequate
* Accompanying signs/symptoms:none

**Secondary complaints/symptoms**

* none

**Patient ocular history**

* last eye exam 1 year ago; wears single vision reading glasses only

**Family ocular history**

* unremarkable

**Patient medical history**

* hypertension, hyperlipidemia

**Medications taken by patient**

* lisinopril, atorvastatin

**Patient allergy history**

* NKDA

**Family medical history**

* father: hypertension, hyperlipidemia

**Review of systems**

* Constitutional/general health:denies
* Ear/nose/throat:denies
* Cardiovascular:denies
* Pulmonary:denies
* Dermatological:denies
* Gastrointestinal:denies
* Genitourinary:denies
* Musculoskeletal:denies
* Neuropsychiatric:denies
* Endocrine:denies
* Hematologic:denies
* Immunologic:denies

**Mental status**

* Orientation:oriented to time, place, and person
* Mood:appropriate
* Affect:appropriate

**Clinical findings**

**Uncorrected visual acuity**

* OD:VA distance: 20/20
* OS:VA distance: 20/20

**Habitual spectacle Rx**

* OD:+1.75 -0.50 x 172; VA near: 20/30 @ 40 cm
* OS:+2.00 -0.25 x 180; VA near: 20/30 @ 40 cm

**Pupils:**

* PERRL, negative APD

**EOMs:**

* full, no restrictions OU

**Confrontation fields:**

* full to finger counting OD, OS

**Subjective refraction**

* OD:plano -0.50 x 175 add: +2.25; VA distance: 20/20, VA near: 20/20 @ 40 cm
* OS:+0.25 -0.50 x 180 add: +2.25; VA distance: 20/20, VA near: 20/20 @ 40 cm

**Slit lamp**

* lids/lashes/adnexa:1+ MGD OD, OS
* conjunctiva:normal OD, OS
* cornea:1+ arcus OD, OS
* anterior chamber:deep and quiet OD, OS
* iris:normal OD, OS
* lens:clear OD, OS
* vitreous:clear OD, OS

**IOPs:**

* OD: 11 mmHg, OS: 11 mmHg @ 8:30 am by Goldmann applanation tonometry

**Fundus OD**

* C/D:0.40 H/0.40 V
* macula:normal
* posterior pole:normal
* periphery:unremarkable

**Fundus OS**

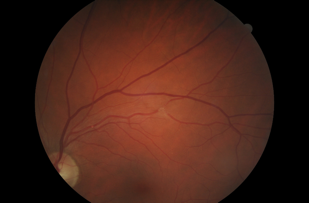
* C/D:0.40 H/0.40 V
* macula:normal
* posterior pole:see images 1 & 2
* periphery:unremarkable

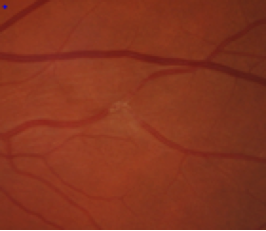
**Blood pressure:**

* 132/80 mmHg, right arm, sitting

**Pulse:**

* 82 bpm, regular





## Question 1 / 5

What is the MOST appropriate diagnosis for the patient's left eye retinal condition observed in images 1 and 2?

a) Hypertensive retinopathy

b) Branch retinal artery occlusion

c) Ocular ischemic syndrome

d) Diabetic retinopathy

e) Branch retinal vein occlusion

f) Hollenhorst plaque

## Question 2 / 5

Which of the following BEST describes the most likely origin of the retinal finding observed in images 1 and 2?

a) Ulcerated atheromatous plaque from the aortic arch

b) Ulcerated atheromatous plaque from a coronary artery

c) Thrombus from the left side of the heart

d) Ulcerated atheromatous plaque from the carotid bifurcation

e) Plaque material from calcified heart valves

## Question 3 / 5

Which 3 of the following tests should be performed on all patients presenting with this retinal condition? (Select 3)

a) Fluorescein angiography

b) Magnetic resonance angiography

c) Fasting blood glucose and lipid panel

d) Electrocardiogram

e) Carotid artery ultrasound

## Question 4 / 5

Which of the following ranges of arterial stenosis are MOST likely to produce the sound of a carotid bruit on auscultation?

a) 50 to 90% occlusion

b) 40 to 99% occlusion

c) 30 to 50% occlusion

d) 20 to 75% occlusion

e) 10 to 60% occlusion

## Question 5 / 5

What is the BEST ocular treatment for the patient at this time?

a) Intravenous acetazolamide

b) Panretinal photocoagulation

c) Intravitreal anti-VEGF injection

d) Anterior chamber paracentesis

e) Ocular indentation using a three-mirror contact lens

f) Monitor the condition