Case KPUvlzRQQpZbQxh13481 Details

**Demographics**

* 42-year-old Hispanic female; flight attendant

**Chief complaint**

* decreased vision

**History of present illness**

* Character/signs/symptoms:blurry vision at near
* Location:OD, OS (OD worse than OS)
* Severity:mild
* Nature of onset:gradual
* Duration:3 months
* Frequency:constant
* Exacerbations/remissions:worse in dim illumination, better with bright lighting
* Relationship to activity or function:notices when reading, using phone and iPad
* Accompanying signs/symptoms:fatigue and eyestrain

**Secondary complaints/symptoms**

* occasional burning and stinging, mostly while working

**Patient ocular history**

* last eye exam 3 years ago; unremarkable

**Family ocular history**

* father: corneal transplant

**Patient medical history**

* gastroenteritis

**Medications taken by patient**

* Imodium®

**Patient allergy history**

* penicillin

**Family medical history**

* mother: hypothyroidism, father: colon cancer

**Review of systems**

* Constitutional/general health:denies
* Ear/nose/throat:denies
* Cardiovascular:denies
* Pulmonary:denies
* Dermatological:denies
* Gastrointestinal:cramping, diarrhea
* 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: 20/30, VA near: 20/50 @ 40 cm
* OS:VA distance: 20/30, VA near: 20/50 @ 40 cm

**Pupils:**

* PERRL, negative APD

**EOMs:**

* full, no restrictions OU

**Cover test:**

* 2 esophoria, near: 4 esophoria

**Confrontation fields:**

* full to finger counting OD, OS

**Subjective refraction**

* OD:+1.50 -1.00 x 025 add: +1.00; VA distance: 20/20, VA near: 20/20 @ 40 cm
* OS:+0.75 -1.25 x 010 add: +1.00; VA distance: 20/20, VA near: 20/20 @ 40 cm

**Slit lamp**

* lids/lashes/adnexa:unremarkable OD, OS
* conjunctiva:normal OD, OS
* cornea:clear OD, OS
* anterior chamber:narrow and quiet OD, OS
* iris:normal OD, OS
* lens:clear OD, OS
* vitreous:clear OD, OS

**IOPs:**

* OD: 16 mmHg, OS: 16 mmHg @ 5:05 pm by Goldmann applanation tonometry

**Fundus OD**

* C/D:see image 1
* macula:normal
* posterior pole:see image 1
* periphery:unremarkable

**Fundus OS**

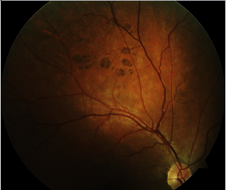
* C/D:similar to image 1
* macula:normal
* posterior pole:similar to image 1
* periphery:unremarkable

**Blood pressure:**

* 110/75 mmHg, right arm, sitting

**Pulse:**

* 70 bpm, regular



## Question 1 / 6

What is the MOST likely diagnosis of the patient's right eye retinal condition?

a) Choroidal nevus

b) Congenital hypertrophy of the retinal pigment epithelium

c) Reactive hyperplasia of the retinal pigment epithelium

d) Choroidal melanoma

## Question 2 / 6

Given the patient's history and retinal findings, what further testing should be performed at this time?

a) B-scan ultrasonography

b) A colonoscopy

c) No further testing is needed

d) An MRI of the chest area

e) A lung biopsy

f) An X-ray of the sacroiliac region

## Question 3 / 6

Which of the following in-office tests would help you distinguish whether the lesions are located in the choroid or at the level of the retinal pigment epithelium?

a) Evaluation with a red-free filter

b) A-scan ultrasonography

c) Watzke-Allen test

d) Threshold visual field

## Question 4 / 6

What is the MOST appropriate diagnosis of the patient's refractive error of the right eye and left eye, respectively?

a) OD: compound hyperopic astigmatism; OS: simple hyperopic astigmatism

b) OD: simple hyperopic astigmatism; OS: mixed astigmatism

c) OD: compound hyperopic astigmatism; OS: mixed astigmatism

d) OD: compound hyperopic astigmatism; OS: compound hyperopic astigmatism

e) OD: simple hyperopic astigmatism; OS: simple hyperopic astigmatism

f) OD: mixed astigmatism; OS: mixed astigmatism

## Question 5 / 6

At what age do the retinal lesions observed in image 1 typically present?

a) Between ages 60-90

b) Between ages 20-40

c) Between ages 40-60

d) Between ages 10-20

e) At birth

f) Between ages 1-10

## Question 6 / 6

Which area of the retina represents the MOST common site of these lesions?

a) Nasal quadrant

b) Inferior quadrant

c) Temporal quadrant

d) Superior quadrant