Case rrVibTDyYGOHLjb11515 Details

**Demographics**

* 20-year-old white male; unemployed

**Chief complaint**

* declining vision

**History of present illness**

* Character/signs/symptoms:worsening distance vision
* Location:OD, OS
* Severity:severe
* Nature of onset:gradual
* Duration:10 years
* Frequency:constant
* Exacerbations/remissions:worse at night and in dim lighting conditions
* Relationship to activity or function:none
* Accompanying signs/symptoms:bumps into things a lot

**Secondary complaints/symptoms**

* none

**Patient ocular history**

* last eye exam 1 year ago; diagnosed with progressive retinal condition at age 11

**Family ocular history**

* mother: carrier of retinal disease

**Patient medical history**

* psoriasis

**Medications taken by patient**

* triamcinolone acetonide cream, multivitamin

**Patient allergy history**

* NKDA

**Family medical history**

* unremarkable

**Review of systems**

* Constitutional/general health:denies
* Ear/nose/throat:denies
* Cardiovascular:denies
* Pulmonary:denies
* Dermatological:psoriasis
* 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**

**Habitual spectacle Rx**

* OD:-3.50 -0.50 x 025; VA distance: 20/60 (PH 20/30)
* OS:-4.00 -0.50 x 150; VA distance: 20/60 (PH 20/40)

**Pupils:**

* PERRL, negative APD

**EOMs:**

* full, no restrictions OU; jerky movements OU

**Confrontation fields:**

* constriction in all quadrants OD, OS

**Subjective refraction**

* OD:-4.25 -0.50 x 025; VA distance: 20/30
* OS:-4.75 -0.50 x 150; VA distance: 20/40

**Slit lamp**

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

**IOPs:**

* OD: 17 mmHg, OS: 16 mmHg @ 10:10 am by Goldmann applanation tonometry

**Fundus OD**

* C/D:see image 1
* macula:see image 1
* posterior pole:see image 1
* periphery:confluent atrophy in all quadrants

**Fundus OS**

* C/D:see image 2
* macula:see image 2
* posterior pole:see image 2
* periphery:confluent atrophy in all quadrants

**Blood pressure:**

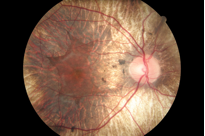
* 124/79 mmHg, right arm, sitting

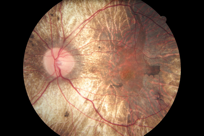
**Pulse:**

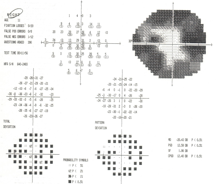
* 77 bpm, regular

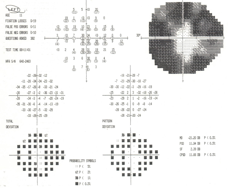
**Threshold visual fields:**

* OD:see image 3
* OS:see image 4









## Question 1 / 6

Based on the examination and visual field findings, what is the BEST diagnosis for this patient’s retinal condition?

a) Gyrate atrophy

b) Myopic degeneration

c) Choroideremia

d) Ocular albinism

e) X-linked retinitis pigmentosa

## Question 2 / 6

Which of the following ocular findings MOST commonly occurs in conjunction with this diagnosis?

a) Myopia

b) Nystagmus

c) Optic nerve pallor

d) Posterior subcapsular cataracts

e) Attenuated retinal vessels

f) Iris transillumination defects

## Question 3 / 6

What is the inheritance pattern of this patient’s retinal condition?

a) X-linked dominant

b) X-linked recessive

c) Autosomal dominant

d) Autosomal recessive

## Question 4 / 6

Which of the following BEST describes the visual prognosis for this patient?

a) Visual acuity will likely continue to gradually decline at a slow rate throughout the patient's life

b) Visual acuity will likely remain stable until later in life when it is expected to become significantly affected

c) Visual acuity is likely to rapidly decline from this point forward in the patient's life

d) Visual acuity will likely remain stable throughout the patient's life and is not expected to become significantly affected

## Question 5 / 6

Which of the following represents the MOST common initial symptom in patients afflicted with this condition?

a) Decreased visual acuity

b) Ocular pain

c) Nyctalopia

d) Diplopia

e) Photophobia

f) Loss of peripheral vision

g) Flashes and floaters

## Question 6 / 6

Which of the following BEST describes the MOST common results of an electroretinogram (ERG) and electro-oculogram (EOG) in a patient diagnosed with this retinal condition?

a) Normal ERG and normal EOG

b) Abnormal ERG and normal EOG

c) Abnormal ERG and abnormal EOG

d) Normal ERG and abnormal EOG