

Case ZBWMXLQsaFsscejs7885 — Questions

Case Details

Demographics 23-year-old American Indian female; college student

Chief complaint blurred vision

History of present illness

Secondary complaints/symptoms none

Patient ocular history last eye exam 2 years ago; was prescribed glasses but never wears them

Family ocular history mother: glaucoma suspect, maternal grandfather: macular degeneration

Patient medical history unremarkable

Medications taken by patient oral contraceptives

Patient allergy history NKDA

Family medical history father: hypertension

Review of systems

Mental status

Clinical findings

Uncorrected visual acuity

Pupils: PERRL, negative APD

EOMs: full, no restrictions OU

Cover test: distance: orthophoria, near: 10 exophoria

Confrontation fields: full to finger counting OD, OS

Subjective refraction

Slit lamp

IOPs: OD: 14 mmHg, OS: 13 mmHg @ 8:00 am by Goldmann applanation tonometry

Fundus OD

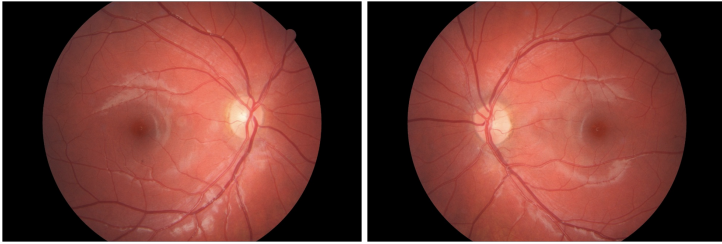
Fundus OS

Blood pressure: 115/78 mmHg, right arm, sitting

Pulse: 67 bpm, regular

- Character/signs/symptoms: blurry vision at all distances
- Location: OD, OS
- Severity: mild-moderate
- Nature of onset: gradual
- Duration: 3 months
- Frequency: constant
- Exacerbations/remissions: worse at night, better when she turns her head to the right
- Relationship to activity or function: none
- Accompanying signs/symptoms: none
- 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
- Orientation: oriented to time, place, and person
- Mood: appropriate
- Affect: appropriate
- OD: distance: 20/30, near: 20/20 @ 40 cm
- OS: distance: 20/30, near: 20/20 @ 40 cm
- OD: -0.25 -1.25 x 062; VA distance: 20/20
- OS: plano -1.50 x 170; VA distance: 20/20
- lids/lashes/adnexa: unremarkable OD, OS
- conjunctiva: nasal pinguecula 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

- C/D: see image 1
- macula: see image 1
- posterior pole: see image 1
- periphery: unremarkable
- C/D: see image 2
- macula: see image 2
- posterior pole: see image 2
- periphery: unremarkable



Question 1 / 5

What is the MOST appropriate classification of the patient's right eye and left eye refractive errors?

- A) OD: simple myopic astigmatism; OS: mixed astigmatism
- B) OD: compound myopic astigmatism; OS: compound myopic astigmatism
- C) OD: compound myopic astigmatism; OS: simple astigmatism
- D) OD: mixed astigmatism; OS: mixed astigmatism
- E) OD: simple myopic astigmatism; OS: simple myopic astigmatism
- F) OD: mixed astigmatism; OS: compound myopic astigmatism

Question 2 / 5

If you were to perform the modified Thorington technique to measure this patient's near phoria, which of the following results would you expect to observe if the Maddox rod is to be placed over the right eye?

- A) A red vertical streak observed to the right of the spot of light
- B) A red horizontal streak observed to the left of the spot of light
- C) A red horizontal streak observed to the right of the spot of light
- D) A red vertical streak observed to the left of the spot of light

Question 3 / 5

You decide to evaluate the patient's near vergence ranges. According to Sheard's criterion, which of the following findings would likely ensure that this patient remains asymptomatic?

- A) Negative fusional convergence (NFC): 10/16/8
- B) Positive fusional convergence (PFC): 22/28/16
- C) Positive fusional convergence (PFC): 8/18/10
- D) Negative fusional convergence (NFC): 15/20/12

Question 4 / 5

If you perform the astigmatic clock dial on the patient's right eye, which of the following lines would she MOST likely report to appear bolder, blacker, and sharper?

- A) 3-9 line
- B) 1-7 line
- C) 2-8 line
- D) 5-11 line
- E) 6-12 line
- F) 4-10 line

Question 5 / 5

Given the patient's prescription, which of the following keratometry readings would you MOST expect for the right and left eye, respectively?

- A) OD: 44.50 @ 065 / 45.25 @ 155; OS: 44.75 @ 170 / 46.75 @ 080
- B) OD: 43.00 @ 060 / 41.75 @ 150; OS: 42.50 @ 171 / 41.00 @ 081
- C) OD: 46.00 @ 070 / 44.75 @ 140; OS: 46.25 @ 165 / 44.75 @ 075

D) OD: 41.25 @ 090 / 42.75 @ 180; OS: 41.00 @ 160 / 42.50 @ 070