Case WcOevDDEKvVBAHh12746 — Questions

Case Details

Demographics 3-year-old American Indian female; preschool student

Chief complaint occasional eye turn

History of present illness

Secondary complaints/symptoms none

Patient ocular history 1st eye exam

Family ocular history paternal uncle: strabismus

Patient medical history unremarkable; normal birth history and developmental milestones

Medications taken by patient none

Patient allergy history NKDA

Family medical history father: type II diabetes

Review of systems

Mental status

Uncorrected visual acuity (Lea Symbols)

Pupils: PERRL, negative APD

EOMs: full, no restrictions OU

Cover test: distance: 16 prism diopter intermittent, left esotropia (frequency 8/10) near: 18 prism diopter intermittent, left esotropia (frequency 7/10)

Confrontation fields: full to finger counting OD, OS

Gross observation: see image 1

Wet retinoscopy 2 gtts of 1% cyclopentolate instilled 5 minutes apart
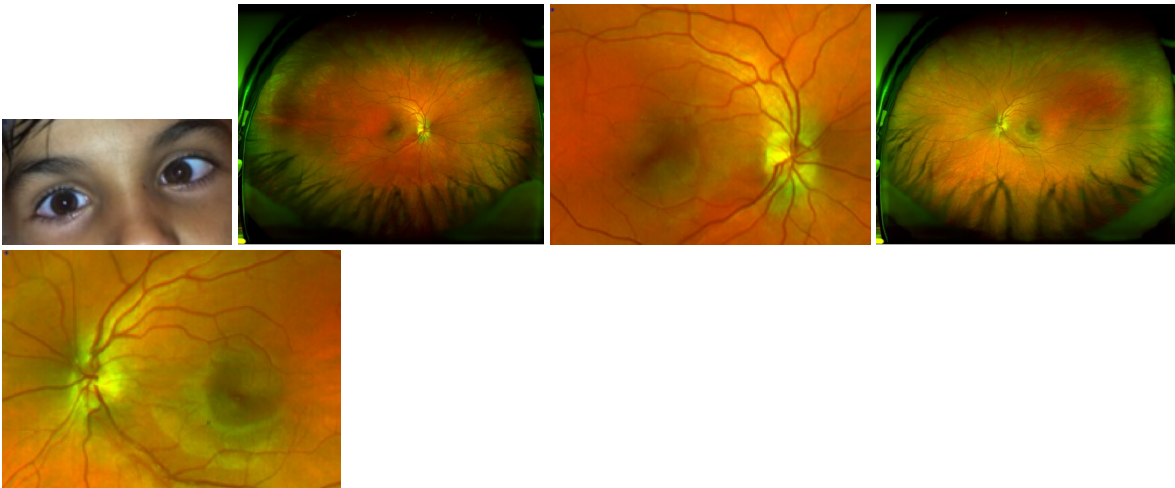
Slit lamp

IOPs: OD: 11 mmHg, OS: 11 mmHg @ 8:05 am by via Tonopen

Fundus OD

Fundus OS

- Character/signs/symptoms: patient's mother reports that her daughter's eye occasionally turns inward
- Location: OS
- Severity: moderate
- Nature of onset: gradual
- Duration: first noticed when she was 1 year old
- Frequency: intermittent; occurring more often recently
- Exacerbations/remissions: worse when tired or at the end of the day
- Relationship to activity or function: prolonged near activities
- 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: 20/25 @ 40 cm
- OS: distance: 20/80, near: 20/60 @ 40 cm
- OD: +3.50 -0.50 x 170 (gross retinoscopy findings with 67 cm working distance)
- OS: +6.25 -1.25 x 160 (gross retinoscopy findings with 67 cm working distance)
- 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
- C/D: see images 2 & 3
- macula: see images 2 & 3

- posterior pole: see images 2 & 3
- periphery: unremarkable
- C/D: see images 3 & 4
- macula: see images 3 & 4
- posterior pole: see images 3 & 4
- periphery: unremarkable

Question 1 / 5

Given the GROSS wet retinoscopy findings for this patient, what are the NET retinoscopy findings for the right and left eye, respectively?

  A) OD: +2.50 -0.50 x 170; OS: +5.25 -1.25 x 160

  B) OD: +3.00 -0.50 x 170; OS: +5.75 -1.25 x 160

  C) OD: +3.50 -0.50 x 170; OS: +6.35 -1.25 x 160

  D) OD: +5.00 -0.50 x 170; OS: +7.75 -1.25 x 160

  E) OD: +2.00 -0.50 x 170; OS: +4.75 -1.25 x 160

Question 2 / 5

If you were to perform the Bruckner reflex test on this patient, which of the following results would you expect?

  A) The reflex of both eyes would be equally bright

  B) The left eye would display a brighter reflex

  C) The reflex of both eyes would be equally dim

  D) The right eye would display a brighter reflex

Question 3 / 5

Which of the following methods of visual acuity testing for toddlers typically offers the MOST accurate measurement?

  A) Landolt Cs

  B) Lea symbols

  C) Allen figures

  D) Lighthouse cards

Question 4 / 5

If you were to perform a fixation preference test on this patient, which of the following results would you MOST likely expect?

  A) The patient will not likely cooperate due to the difficult nature of the test

  B) After uncovering the right eye, the patient will change fixation from the left eye to the right eye

  C) After uncovering the right eye, the patient will maintain fixation with the left eye

  D) The patient will alternate fixation equally between the eyes

Question 5 / 5

Considering developmental milestones, given this patient's age, which of the following drawings would you expect her to be able to reproduce?

  A) A square

  B) A heart

  C) A vertical line

D) A diamond
E) A star