

Case RzeulzYPwybOHRG10881 — Questions

Case Details

Demographics 5-year-old white male; preschool student

Chief complaint one pupil appears white

History of present illness

Secondary complaints/symptoms none

Patient ocular history 1st eye exam

Family ocular history unremarkable

Patient medical history unremarkable; born full term, normal developmental milestones

Medications taken by patient none

Patient allergy history NKDA

Family medical history unremarkable

Review of systems

Mental status

Clinical findings

Uncorrected visual acuity

Pupils: 1+ APD OS

EOMs: full, no restrictions OU

Confrontation fields: full to finger counting OD, OS

Slit lamp

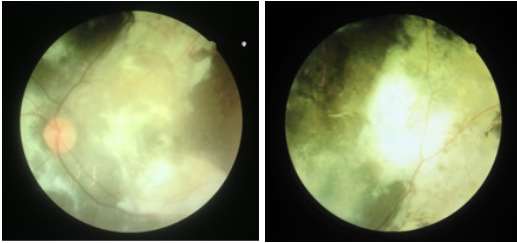
IOPs: soft and equal OD, OS with digital pressure

Fundus OD

Fundus OS

- Character/signs/symptoms: the child's mother noticed that his left pupil looks white in recent photographs
- Location: OS
- Severity: moderate/severe
- Nature of onset: patient's mother is unsure
- Duration: first noticed last week
- Frequency: only observed in photographs
- Exacerbations/remissions: none
- 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: age appropriate orientation to time, place, and person
- Mood: appropriate
- Affect: appropriate
- OD: VA distance: 20/20
- OS: VA distance: CF @ 5 feet (PHNI)
- 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: 0.25 H/0.25 V
- macula: normal
- posterior pole: normal
- periphery: unremarkable
- C/D: see image 1
- macula: see image 1
- posterior pole: see image 1

- periphery: see image 2



Question 1 / 5

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

- A) Retinopathy of prematurity
- B) Choroideremia
- C) Retinoblastoma
- D) Familial exudative vitreoretinopathy
- E) Eales disease
- F) Coats disease

Question 2 / 5

Which of the following BEST describes the pathogenesis of this retinal condition?

- A) Failure of vascularization of the retinal periphery causes fibrovascular proliferation and eventual retinal detachment
- B) Abnormal permeability of the retinal vascular endothelium causes breakdown of the blood-retinal barrier and leakage of lipid-rich exudates
- C) Malignant transformation of primitive retinal cells occurs before they undergo final differentiation
- D) Peripheral retinal capillary non-perfusion leads to neovascularization, recurrent vitreous hemorrhaging, and tractional retinal detachment
- E) Progressive, diffuse atrophy of the choroid, retinal pigment epithelium, and retinal photoreceptor cells

Question 3 / 5

Which of the following populations are MOST commonly affected by this retinal condition?

- A) Patients with a family history of the disease
- B) Caucasians
- C) Females
- D) Asians
- E) Males
- F) Premature children

Question 4 / 5

What is the MOST preferred method of treatment for patients with moderate documented retinal changes associated with this diagnosis?

- A) Monitor the condition
- B) Enucleation
- C) Cryotherapy
- D) Vitreoretinal surgery
- E) Focal laser photocoagulation

Question 5 / 5

Which of the following should be included in the patient education for this case?

- A) There is a possibility that this condition has metastasized to other areas of the body
- B) This condition may be a precursor for an associated systemic disease and further blood testing should be completed
- C) If left untreated, the patient may develop a painful secondary glaucoma
- D) This condition has a hereditary component and may be passed down to future generations
- E) It is very likely that the right eye will also develop this condition