

Case pVWsXkbCjEecYff10948 — Questions

Case Details

Demographics 25-year-old white female; MBA student

Chief complaint eye pain and photophobia

History of present illness

Secondary complaints/symptoms none

Patient ocular history last eye exam 6 months ago; wears glasses only; had similar episode 2 years ago (OD)

Family ocular history unremarkable

Patient medical history unremarkable

Medications taken by patient Claritin®

Patient allergy history seasonal allergies, NKDA

Family medical history father: hypertension

Review of systems

Mental status

Clinical findings

Habitual spectacle Rx

Pupils: PERRL, negative APD

EOMs: full, no restrictions OU

Confrontation fields: full to finger counting OD, OS

Slit lamp

IOPs: OD: 11 mmHg, OS: 11 mmHg @ 4:30 pm by Goldmann applanation tonometry

Fundus OD

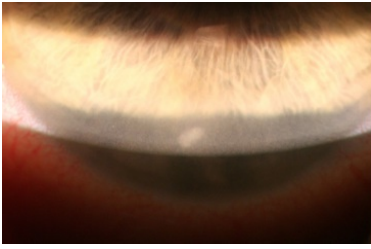
Fundus OS

Blood pressure: 115/77 mmHg, right arm, sitting

Pulse: 73 bpm, regular

- Character/signs/symptoms: foreign body sensation and light sensitivity
- Location: OS
- Severity: moderate
- Nature of onset: acute
- Duration: 2 days
- Frequency: constant
- Exacerbations/remissions: none
- Relationship to activity or function: none
- Accompanying signs/symptoms: redness
- 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: -0.50 -0.25 x 172; VA distance: 20/20, VA near: 20/20 @ 40 cm
- OS: -1.00 DS; VA distance: 20/25, VA near: 20/20 @ 40 cm
- lids/lashes/adnexa: 2+ flakes on lashes OD, OS
- conjunctiva: normal OD, see image 1 OS
- cornea: clear OD, see image 1 OS
- anterior chamber: deep and quiet OD, OS
- iris: normal OD, OS
- lens: clear OD, OS
- vitreous: clear OD, OS
- C/D: 0.40 H/0.40 V
- macula: normal
- posterior pole: normal
- periphery: unremarkable
- C/D: 0.40 H/0.40 V

- macula: normal
- posterior pole: normal
- periphery: unremarkable



Question 1 / 5

What is the BEST diagnosis for this patient's left eye anterior segment condition?

- A) Marginal keratitis
- B) Thygeson superficial punctate keratitis
- C) Dellen
- D) Bacterial corneal ulcer
- E) Phlyctenulosis

Question 2 / 5

Which of the following BEST describes the etiology of this condition?

- A) Corneal hypoxia induced infiltration
- B) The etiology of this condition is unknown
- C) Corneal bacterial invasion in an area of epithelial compromise
- D) Poor spread of tear film over a focal area of the cornea
- E) Hypersensitivity reaction to staphylococcal bacteria exotoxins

Question 3 / 5

Which 2 of the following organisms can penetrate an intact corneal epithelium? (Select 2)

- A) Neisseria gonorrhoea
- B) Corynebacterium diphtheriae
- C) Pseudomonas aeruginosa
- D) Staphylococcus aureus
- E) Streptococcus pneumonia

Question 4 / 5

Which of the following describes the BEST initial medical treatment for this patient?

- A) Zymarid® q.i.d. OS and Lotemax® q.i.d. OS
- B) Doxycycline 100 mg p.o. b.i.d.
- C) Restasis® b.i.d. OS
- D) Moxeza® q1h OS and Cyclogyl® b.i.d. OS
- E) Preservative-free artificial tears q4h OS

Question 5 / 5

If the patient's condition was left untreated for a period of several weeks, which of the following would you MOST expect to occur?

- A) Anterior uveitis
- B) Corneal perforation
- C) Corneal ulceration
- D) Stromal keratitis
- E) Resolution of lesion