Case pVWsXkbCjEecYff10948 Details

**Demographics**

* 25-year-old white female; MBA student

**Chief complaint**

* eye pain and photophobia

**History of present illness**

* 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

**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**

* 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

**Mental status**

* Orientation:oriented to time, place, and person
* Mood:appropriate
* Affect:appropriate

**Clinical findings**

**Habitual spectacle Rx**

* 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

**Pupils:**

* PERRL, negative APD

**EOMs:**

* full, no restrictions OU

**Confrontation fields:**

* full to finger counting OD, OS

**Slit lamp**

* 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

**IOPs:**

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

**Fundus OD**

* C/D:0.40 H/0.40 V
* macula:normal
* posterior pole:normal
* periphery:unremarkable

**Fundus OS**

* C/D:0.40 H/0.40 V
* macula:normal
* posterior pole:normal
* periphery:unremarkable

**Blood pressure:**

* 115/77 mmHg, right arm, sitting

**Pulse:**

* 73 bpm, regular



## 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) Zymaxid® 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