

# Case srDBqhdCepPIOvgO7742 — Questions

## Case Details

**Demographics** 53-year-old Asian female; model

**Chief complaint** ocular irritation

**History of present illness**

**Secondary complaints/symptoms** none

**Patient ocular history** last eye exam 2 years ago; wears PALs full time

**Family ocular history** brother: glaucoma, father: glaucoma

**Patient medical history** asthma

**Medications taken by patient** albuterol inhaler

**Patient allergy history** thimerosal

**Family medical history** mother: cardiovascular disease, father: unremarkable

**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**

**Phenol red thread test:** OD: 16 mm, OS: 15 mm (without anesthesia)

**IOPs:** OD: 17 mmHg, OS: 16 mmHg @ 8:25 am by Goldmann applanation tonometry

**Fundus OD**

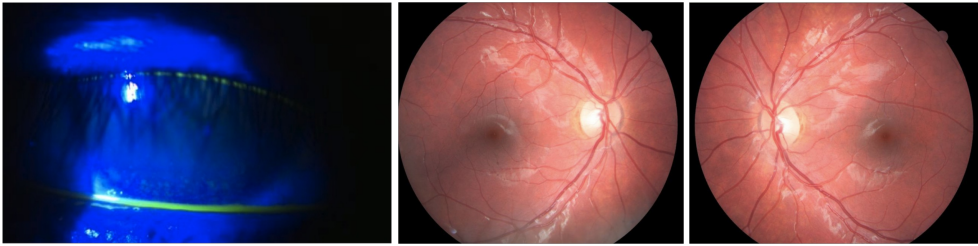
**Fundus OS**

**Blood pressure:** 102/72 mmHg, right arm, sitting

**Pulse:** 62 bpm, regular

- Character/signs/symptoms: eyes water excessively; often feels sandy/gritty sensation
- Location: OD, OS
- Severity: moderate
- Nature of onset: gradual
- Duration: 3 months
- Frequency: daily
- Exacerbations/remissions: worse in the morning, notices improvement after she showers
- Relationship to activity or function: none
- Accompanying signs/symptoms: blurred vision in the morning, mild redness
- Constitutional/general health: denies
- Ear/nose/throat: denies
- Cardiovascular: denies
- Pulmonary: occasional shortness of breath
- 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: -1.00 -0.25 x 162 add: +2.00; VA distance: 20/20, VA near: 20/20 @ 40 cm
- OS: -2.25 -0.50 x 171 add: +2.00; VA distance: 20/20, VA near: 20/20 @ 40 cm
- lids/lashes/adnexa: normal OD, OS
- conjunctiva: 1+ interpalpebral injection OD, OS
- cornea: see image 1 OD, OS similar to OD
- anterior chamber: deep and quiet OD, OS
- iris: normal OD, OS
- lens: tr nuclear sclerosis OD, OS
- vitreous: clear OD, OS
- C/D: see image 2
- macula: see image 2
- posterior pole: see image 2

- periphery: unremarkable
- C/D: see image 3
- macula: see image 3
- posterior pole: see image 3
- periphery: unremarkable



### Question 1 / 5

What is the MOST likely diagnosis of the patient's corneal findings and cause of her chief complaint?

- A) Marginal keratitis
- B) Sjogren syndrome
- C) Thygeson superficial punctate keratitis
- D) Nocturnal lagophthalmos

### Question 2 / 5

Which of the following tests may be performed to help confirm your suspected diagnosis?

- A) Recline the patient, have her gently close her eyes, and observe eyelid position after several minutes
- B) Stain the cornea with Lissamine green
- C) The Jones I dye test
- D) Pull downward on the patient's lower lid while directing her gaze upwards, and evaluate for displacement of the conjunctiva
- E) The Schirmer II test

### Question 3 / 5

What is the MOST appropriate initial treatment for the patient's anterior segment condition?

- A) Prescribe a bland ophthalmic ointment q.h.s. OU
- B) Prescribe moxifloxacin q.i.d. OU x 7 days
- C) Refer for an injection of Botox®
- D) Prescribe Restasis® BID OU
- E) Refer for blepharoplasty
- F) Prescribe loteprednol q.i.d. OU x 7 days

### Question 4 / 5

Which of the following is a common side effect of albuterol?

- A) Tardive dyskinesia
- B) Depression
- C) Tremors
- D) Bradycardia
- E) Glaucoma

### Question 5 / 5

Thimerosal is a common allergen that has become more of a concern in recent years as it is found in many vaccines as a preservative. What component of thimerosal renders it toxic?

- A) Copper
- B) Arsenic
- C) Lead
- D) Sulfur
- E) Titanium
- F) Mercury