

## VAQ 2010.2.2 (Photo)

A 25 year old man presents with a four day history of increasing left eye pain, photophobia and decreased vision.



- Describe and interpret his photograph (30%)
- Outline your further history and examination (70%)

This photograph shows a hypopyon with inflammatory changes in the anterior chamber and adjacent conjunctiva consistent with localised inflammation. History and examination is aimed at differentiating between local causes (infection, trauma, contact lens complication) and systemic causes (anterior uveitis related to immune-mediated inflammatory conditions including post-infectious and connective tissue disease / autoimmune).

### Photo of left eye

**hypopyon**

**cloudy anterior chamber/cornea**

small pupil

**conjunctival oedema and injection**

tearing

purulent conjunctival discharge

### Consistent with inflammatory process involving conjunctiva/anterior chamber e.g.

anterior **uveitis** (also known as iritis)

Reiter Syndrome

Behcet's disease

post-traumatic

**conjunctivitis / keratitis**

corneal infection

bacterial

pseudomonal

herpetic

globe infection

post traumatic

## Further history and examination

### History

recent **trauma** (traumatic)  
previous surgery (infection)  
**contact lens wear** (pseudomonal)  
previous episodes (autoimmune / connective tissue disease)  
recent infections particularly STD / gastroenteritis

Other manifestations  
    other eye

#### **systemic symptoms from:**

arthritis, myalgia, pharyngitis (connective tissue / systemic inflammatory / autoimmune)  
unprotected sex, dysuria or penile discharge (STD)  
past medical history  
arthritis  
prev anterior uveitis  
inflammatory bowel disease

### Examination

**visual acuity**

**slit lamp examination**

**fluorescein stain** for corneal/conjunctival ulceration

**pupillary reaction**

flare in anterior chamber

other eye for bilateral involvement

foreign body

#### **Signs of systemic disease**

arthritis

lymphadenopathy

mucous membranes

rashes

scleroderma