Examination:

Examination / Clinical methods

- 1. History & General physical examination
- 2. Visual acuity
- 3. Torch examination
- 4. Ophthalmoscope examination
- 5. Slit lamp (Anterior & Posterior segments)
- 6. Tonometry
- 7. Pupil
- 8. Ocular movements
- 9. Confrontational Visual fields

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1- History & GPE

Nn

History is most important part of any examination.

Video OSPE 21

Examination: 1- History & GPE

You need to go through DD (Differential diagnosis sections. Following two sections will cover most patients coming to eye outpatients

- Decrease vision (see section 00)
- Red eye (see section 00)

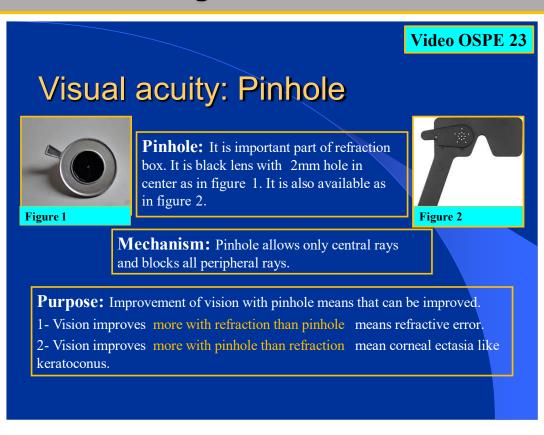
2- Visual acuity: How to check

Video OSPE 22

Examination: 2- Visual acuity: How to check

- Cover one eye
- Check vision
- Record vision as
 - 6/6, 6/9, 6/12, 6/18, 6/26, 6/36, 6/60,
 - CF (counting finger)
 - HM (hand movement)
 - PL+ (projection of light)
 - NPL (no projection of light)
- Check other eye and record vision

2- Visual acuity: Pin hole



3- Torch examination

Video OSPE 24

Examination: 3- Torch examination

- Torch can be used in case of emergency to have general look at lids and anterior segment
- Torch can be used for check pupil reaction

4- Ophthalmoscopy

Video OSPE 25

Examination: 4- Ophthalmoscope

- Inform patient about examination that you will examine with bright light and your face will come close to patient face
- Instruct patient to look at <u>distant object to relax</u> accommodation
- Turn on from on/off button
- For patients right eye use your right eye, right hand and stand on right side of patient
- For patients left eye use your left eye, left hand and stand on left side of patient

5- Slit lamp

Video OSPE 26

Examination: 5- Slit lamp

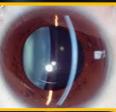
- Turn on slit lamp from switch in table
- Adjust table height
- Adjust microscope eye pieces
- Patient sits with chin in chin rest and forehead against bar
- First examine with diffuse light
- Then make slit and examine
- Then use 90D/78D and examine posterior segment

Video OSPE 27

Examination: Slit lamp; What we see

- Lids
- Conjunctiva & sclera
- Cornea
- Anterior chamber & angle
- Iris
- Lens
- Vitreous
- Fundus (Disc+Retina+Vessels)





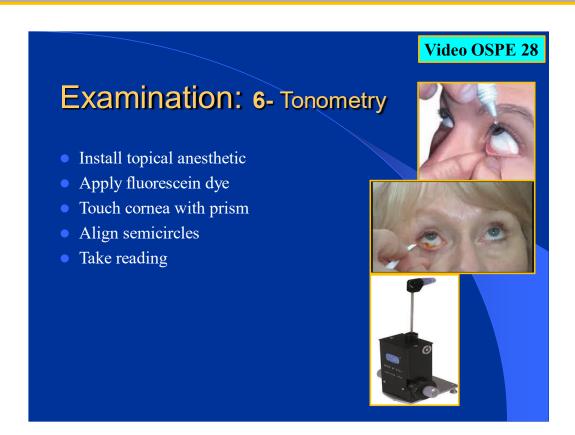


Examining Lid and anterior segment

Examining cornea and lens

Examining Fundus including disc

6- Tonometry



7- Pupil

Video OSPE 29

Examination: 7- Pupil

- Make sure room light is not bright
- Instruct patient to look at distance (if patient looks at you or other close object then pupils will constrict)
- Shine light in one eye and then other eye to check pupil reaction. This is direct pupil reaction
- Then shine light in one eye and check reaction in other eye. This is consensual light reflex

8- Ocular movements

Video OSPE 30
Examination: 8- Ocular movements
Check vision in one eye at a time
Check eye movements in all gazes

Right, left, up and down
Right up & right down
Left up & left down

Cover test
Cover uncover test

9- Confrontational fields

Video OSPE 31

Examination: 9- Confrontational fields:

- Check vision in each eye by showing finger
- Sit at same level as patient
- For patient right eye: cover patient left eye and your right eye
- Bring moving fingers from four quadrants
- Then plot blind spot
- For patient left eye: cover patient right eye and your left eye
- Repeat procedure for quadrants and blind spot

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