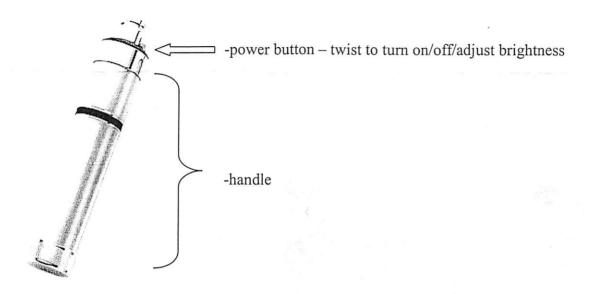
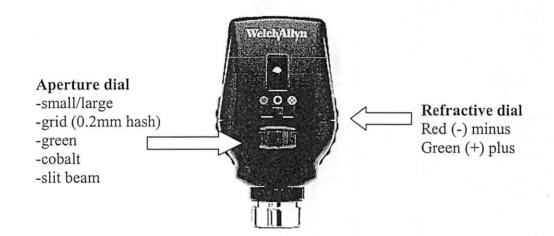
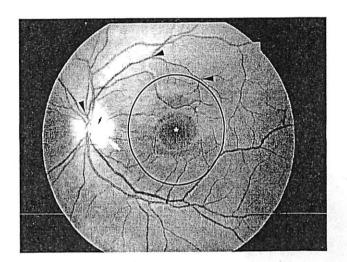
Direct Ophthalmoscope

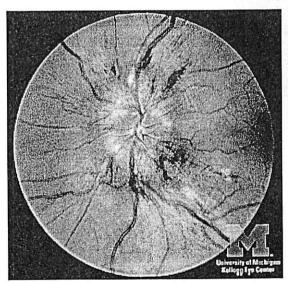




Direct Ophthalmoscopy

- -monocular, upright, enlarged image
- -field of view 10 degrees
- -hold the scope in the same hand as the eye being examined/use the same eye as being examined
- -start 0.5 meters away, obliquely
- -set refractive dial at '0'
- -approaching at 20° temporal to midline will line up with optic nerve
- -follow the vessels to the optic nerve
- -the fovea is 2 'disk diameters' temporal to the nerve





Bruckner Test

- -Set the direct ophthalmoscope at '0' and position 2-3 feet from the patient
- -Dim the room lights
- -Position the circle of light over both eyes, and have patient look at the light
- -White pupil (leukocoria) corneal opacity, retinoblastoma, congenital cataract, retinal diseases, etc.
 - -If one eye is fixating, the deviating eye with have a darker reflex

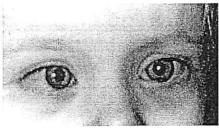


Leukocoria

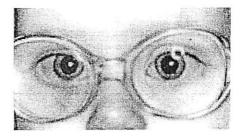


Positive Bruckner Test

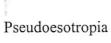
- -Look over the scope or to the side of the scope
 - to look at the corneal light reflex
 - to look for an abnormal reflex indicating high refractive error



Esotropia with abnormal corneal light reflex









References:

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Kellogg Eye Center, Department of Ophthalmology and Visual Sciences Interactive website