











Patient	Chief Complaint (CC)
	Patient's Medical History
	Medications
	Visual & Ocular History
HISLOFY	Family Ocular History
	Family Medical History
	Vocational and Recreational Demands

Preliminary Tests	Vision Assessment
	Visual Fields
	Accommodation
	Convergence
	Color Vision
	Ocular Muscle Deviations
	Neutralize Glasses





























# Involuntary Movement

- Phoria Latent tendency of the eyes to deviate that is prevented by fusion. Thus, a deviation occurs only when a cover is placed over an eye; when uncovered the eye straighten
- ESOPHORIA, EXOPHORIA, HYPERPHORIA HYPOPHORIA, ORTHOPHORIA
- Tropia Eye misalignment caused by extraocular muscle imbalance: one fovea is not directed at same object as the other.
- ESOTROPIA, EXOTROPIA, HYPERTROPIA HYPOTROPIA, ORTHOTROPIA

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#### The Retina

 Optic Disc: Exit site of retinal nerve fibers from the eye.(Blind Spot) Macula Lutea (Yellow Spot): Small, specialized central area of the retina, surrounding the fovea. Fovea: Central pit in the macula that produces sharpest vision; contains a high concentration of cones and no retinal blood vessels.





Color Vision Pseudoisochromatic Plates Ishihara Wool Test













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	Purpose
	Precautions
Cycloplegic	Cycloplegic Agents
Refraction	<ul> <li>Tropicamide (Mydriacyl) 0.5% to 1% (20min – 3Hrs)</li> </ul>
	<ul> <li>Cyclopentolate (Cyclogyl)0.5% (Infants) or 1 %(3-6 Hrs)</li> </ul>
	<ul> <li>Homatropine 2% or 5% (1-3 Days)</li> </ul>
	Atropine 0.5% or 1% (Up to two weeks)





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## Corneal Scar

 Due to injury or disease.
 Nebula : Faint lack of transparency
 Macula :Translucent but well defined
 Leukoma: Dense and opaque.



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Cataract











	Ambivonia – The loss of vision without any apparent defect to the eye.
Other	Aphakic – patients have had their crystalline lens removed.
Refractive Errors Terms	Ptosis - A drooping lid. Corrected by using a Ptosis Crutch. Psuedoanhaking - have an implant to replace the crystalline lens.
	Nystagmus - A fluctuation of the eye often associated with light sensitivity AKA:Photophobia.
	Cvcloplegics - Inhibit accommodation.
	Scotoma - Blind spot, An area of retinal vision loss.
	Mydriatic Drops - Dilates pupil.