

What is Glaucoma

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1 hour

Description

This course is designed to provide a basic understanding of glaucoma and its impact on the eye. The course will cover basic terminology, testing procedures, the different aspects of the disease, and different operative procedures associated with the disease. We will also go over what a technician may encounter when screening a glaucoma patient.

Learning Objectives

1. Learn how to define Glaucoma
2. The Different types of Glaucoma
3. Learn how to identify the risk factors associated with Glaucoma
4. Identify testing procedures and treatments associated with Glaucoma

Outline:

1. Learn how to define Glaucoma (15 min)
 - Anatomy
 - IOP
 - Goldmann
 - Contact tonometry
 - Non-contact tonometry
 - Causes of Glaucoma
 - Identify traits of Glaucoma
 - Retinal evaluation
 - C/D ratio
 - Ganglion Cell Complex
2. Learn the different types of Glaucoma (10 minutes)
 - List the different types
 - Open-angle

- Closed-angle
- Secondary
- Congenital
- Identify attributes of the types of Glaucoma
 - Stages of Glaucoma
 - Normal vision
 - Early
 - Advanced
 - Extreme

3. Learn how to identify the risk factors associated with Glaucoma (10 min)

- At risk factors
- Identify specific groups more prone to the disease
 - Ethnicity
 - Disease
- Patient education
 - Medications
 - Sleep Apnea/COPD (neck size)
 - Cannabis
- Identify the importance of the family history
 - F.I.N.D.A.C.A.R. acronym
 - Tracking

4. Identify testing and treatment procedures associated with Glaucoma (15 min)

- Case History
- IOP Measurements
 - Baseline with Goldmann
 - Time of day
- Anterior Angle Verification
 - Gonioscopy
- Fundus Inspection
 - Dilation
 - Dilation hazards
- OCT Measurements
 - Ganglion Cell Complex
 - ONH/Optic Disk
- Visual Field Testing

- 24-2
- Reliability
- Tracking
- Other testing options
 - Pachymetry
 - Confrontation Fields
 - Screeners (FDT)
- Treatments
 - YAG-PI
 - SLT
 - Shunts
 - Stents (Durastent)
 - Blebs
 - Visco canalostomy
 - Anterior Chamber Paracentesis

5. Q&A / Discussion (10 minutes)