

VISCO Session #3 Learning Objectives – Retina

- 1: Describe the anatomy of the entire visual pathway
- 2: Examine the fundus with either direct ophthalmoscope or fundus photography and identify the most important structures
- 3(a): Obtain a focused history and recognize urgency regarding the timing, severity, monocular or binocular nature, pain or redness associated with the vision loss as it pertains to the retina
- 3(b): Obtain a focused past ocular history relevant to acute vision loss as it pertains to the retina
- 3(c): Obtain a focused systemic medical history relevant to acute vision loss as it pertains to the retina
- 3(d): Perform a focused clinical exam as outlined above as it pertains to the retina
- 3(e): List and describe the pathophysiology and presentations of the important causes of vision loss as it pertains to the retina
- 4(a): List and describe the pathophysiology of the common causes of chronic vision loss including:
 - Macular Degeneration
 - Diabetic Retinopathy
 - Hypertensive retinopathy
- 4(b): List and describe the chronic manifestations of systemic diseases such as
 - Sickle Cell disease or trait
 - Human Immunodeficiency Virus/ Immunocompromised patients
 - Autoimmune conditions such as systemic lupus erythematosus, sarcoidosis, and rheumatoid arthritis
- 5: List the most important ocular side effects of systemic drugs including
 - Corticosteroids (oral, topical, injected, inhaled)
 - Hydroxychloroquine
 - Sympathomimetic & anticholinergic medications



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