

Course Reading & On-Line Assignment

The following includes reading, video, and on line tasks you are expected to complete before the end of the course. You will be required to do these after hours, and I will be referring to these in discussion and course lectures. Start working on these as soon as you can.

Simulated/On-Line Curriculum

Tasks:

1. The Eyes Have It. (<http://www.kellogg.umich.edu/theeyeshaveit/>)

Complete - Instructional Mode by second week of the rotation.

Study the pictures and text.

2. Watch all of the resource videos, Please go to my office and you'll find a package of CD ROMs on the top of the shelf over my desk. Take 1 CD ROM, copy and return, Refer to the attached resource video guide for details.

3. Eye Simulator Version 2.0 (<https://cim.ucdmc.ucdavis.edu/eyerelease/Interface/TopFrame.htm>)

You will need to use internet explorer and install the adobe shockwave addon to use this.

Complete the Eye Movement & Pupil Response simulators and the Patient Cases. Make sure you do all patient cases and review the discussion afterwards.

Study the different extraocular motion anomalies. You will need to be familiar with these. Refer to the ophthalmology made ridiculously simple

Record your scores on all examinations and then turn in to me by Monday of Week 2.

This task will take you anywhere from 2-4 hours. Please make sure you set aside time to do it

4. Red Eye Case Study

Complete the red eye case study handout. Be ready to discuss.

Resource Video Guide

1. How to use the direct ophthalmoscope Part 1 (How2use) – familiarize yourself with how your ophthalmoscope works.
2. How to use the direct ophthalmoscope Part 2 (ophthalmoscope) – how to use your ophthalmoscope on a patient.
3. The Tour of the Fundus (TheTour) – how a fundus exam looks through your ophthalmoscope
4. How to check the RAPD (RAPD_Not_Present) – how to examine your patient’s pupils
5. RAPD Present (RAPD_present) – pupillary light exam of a patient with an afferent pupillary defect (the patient’s right eye has the APD)
6. Visual Acuity (visual_acuity) – how to check your patient’s vision with a near card.
7. Visual Fields (Visual_Fields) – demonstrates several different ways to assess confrontational visual fields.
8. Nerve Palsies
 - a. 4th Nerve
 - b. 6th Nerve
 - c. Pupil Involved 3rd
 - d. Pupil Sparing 3rd
9. Other Videos
 - a. Light Near Dissociation
 - b. Nystagmus
 - c. INO Unilateral
 - d. Webino
10. The 2 minute eye exam (on YouTube, <http://www.youtube.com/watch?v=4aCmREIZHag>) – study this exam, this will be the sort of exam you will be performing on patients.
 - a. This is an eight point exam that covers testing:
 - i. Visual Acuity
 - ii. Visual Fields
 - iii. Extraocular Motion & Alignment
 - iv. Pupils
 - v. External Exam
 - vi. Ocular Surface Exam
 - vii. Ophthalmoscope Exam
 - viii. Intraocular Pressure (NOT TESTED)
 - b. You are responsible for the first seven steps.