

Elective Description

Campus: Southwest (Bismarck)

Elective/Experience Title: Ophthalmology – *TWO WEEK*

Location of Elective: Dakota Eye Institute - Bismarck, ND

Department: Surgery

Course Number: SURG 9126

Preceptor(s): Aaron C. Fortney, MD; Douglas W. Litchfield, MD; Elena Raducu, MD & Andrew Rodenburg, MD

Period(s) Offered: All

Number of students per period: 1 student per period

Course Prerequisites: Surgery Clerkship

Revised Curriculum Phase(s): 2 & 3

Purpose: To provide education and experience in the care of patients requiring ophthalmology services.

Objectives: Following successful completion of this elective, the student will be able to:

1. Identify basic anatomy of the eye and discuss ocular physiology and pharmacology (2.3, 2.2, 2.4, 2.6).
2. Use ophthalmologic instruments (3.6).
3. Perform a basic ophthalmological examination (3.1).
4. Recognize the normal eye versus abnormal eye states (3.3).
5. Examine and treat basic ocular diseases (3.1, 3.3, 3.4).
6. Discuss eye disorders associated with systemic diseases (2.2).
7. Recognize emergency conditions involving the eye and discuss initial management strategies (3.5).

Instructional Activities: During this elective, the student will be involved in/experience:

1. Evaluating ophthalmology patients under the direction of the preceptor.
2. Participating in the surgical care of the preceptor's patients.
3. Participating in the office management of the preceptor's patients.
4. Reading medical literature assignments including standard ophthalmology textbooks.

Criteria for Grading: During and following this elective, the preceptor will:

1. Evaluate overall professionalism, attendance, conduct, performance, and attitude of each student, including appropriate preparation before, or on the first day of, the elective to include the 21-page International Council of Ophthalmology "Handbook for Medical Students Learning Ophthalmology" (accessible at <http://www.icoph.org/resources/19/ICO-Handbook-for-Medical-Students-Learning-Ophthalmology-.html>) (objectives 3, 5, 7).
2. Judge by direct observation the student's proficiency in the supervised care of the assigned patients. (objectives 1-7).
3. Directly evaluate the student's knowledge and proficiency in focused history and basic examination including:
 - a. Measure and record visual acuity
 - b. Perform a basic ocular motility exam and detect strabismus
 - c. Examine the eye and ocular adnexa by penlight and recognize cardinal signs of disease
 - d. Demonstrate and/or discuss ocular manifestations of systemic disease and ocular sequelae of systemic medications
4. Evaluate the student's level of understanding of assigned readings. (objectives 1, 4, 5, 6, 7).
5. Utilize the standardized UNDSMHS senior elective evaluation form.