

OPHTHALMOLOGY

Chair: Ronald Krueger, M.D.

Medical Student Education Director: Shannon Lynch, M.D.

Curriculum Clerk: Arianne Marcoux

Truhlsen Eye Institute – 3902 Leavenworth Street

402-559-1859

OPHT 720 CLINICAL OPHTHALMOLOGY ELECTIVE 4 Credit Hours

ELECTIVE

This elective functions as an introductory course to clinical ophthalmology which includes experiences in all areas of general ophthalmologic diagnosis and therapy. This course is appropriate for all Phase III students. Within this broad field, the following areas will be emphasized: 1. Basic ophthalmic history taking and its correlation with the general medical history; 2. Functional evaluation of the visual system including determination of near and distance visual acuity, visual field, color vision; 3. Recognition of other testing procedures designed to detect dysfunction of any components of the visual system; 4. Direct examination of the visual system including pupillary exam, measurement of intraocular pressure, and direct ophthalmoscopy; 5. Learning about the use and limitations of the slit-lamp and indirect ophthalmoscopy; 6. Observation of ocular surgical procedures; 7. Identification of the most common causes of blindness; 8. Awareness of the relative urgency of common ophthalmic referrals. The goal of this rotation is to lay a firm foundation of basic knowledge and diagnostic skill. There is no call requirement, but a call experience can be requested by interested students. The rotation includes attendance of weekly scheduled conferences and didactics. Students will be expected to give a brief presentation to the course director and fellow learners. Alternatively, they can develop a brief educational video, module, or equivalent from a list of topics. An exam will be given at the end of the rotation based on reading, didactic sessions, and clinical teaching. Evaluation is based on clinical performance, presentation, post-rotation examination, interpersonal skills, and professionalism. . Activity-Hours/Week. Clinical patient care-30-36. Rounds-0-1. Conferences/didactic lectures-4-5. Independent learning-0-1. Research project-0. Surgical Observation-2-5.

Instructor: Dr. Shannon Lynch (course director) - the remainder of the ophthalmology clinical faculty will also participate in clinical teaching, departmental conferences, and didactics

Contact: Arianne Marcoux; arianne.marcoux@unmc.edu; 402-559-1859; TEI 3022A (Zip 5540).

Typically Offered: Each four weeks.

Capacity: 1-2

Visiting Student Information: Visiting students are not to contact faculty or clinical departments prior to acceptance through VSLO. Doing so is considered a professional breach and may disqualify the student from being offered a rotation.

OPHT 721 ADVANCED CLINICAL OPHTHALMOLOGY SUB-INTERNSHIP 4

Credit Hours

ELECTIVE

This senior elective functions as a subinternship in clinical ophthalmology which includes experiences in all areas of general ophthalmologic diagnosis and therapy. This course requires prior ophthalmology experience such as successful completion of OPHTH 720, ophthalmology rotation during surgical clerkship, or equivalent experience approved by course director. Within this comprehensive field, the following areas will be emphasized: 1. Ophthalmic history taking and presentation of the case to faculty; 2. Refinement of functional evaluation of the visual system including determination of near and distance visual acuity, confrontation visual field, and color vision; 3. Basic interpretation of advanced testing procedures designed to detect dysfunction of any components of the visual system such as perimetry, OCT, and neuroimaging; 4. Direct examination of the visual system including pupillary exam, measurement of intraocular pressure, direct ophthalmoscopy, slit-lamp, and indirect ophthalmoscopy; 5. Early steps towards generation of a differential diagnosis, recommendation of appropriate testing, and development of a treatment plan; 6. Observation of and participation in ocular surgical procedures; 7. Identification of the most common causes of blindness including recognition of vision threatening and non-vision threatening causes of red eye; 8. Awareness of the relative urgency of common ophthalmic referrals. The goal of this program is to fortify the foundation of ophthalmic knowledge and diagnostic skill for students planning to apply for ophthalmology residency. There is no overnight call requirement, but students will be required to participate in at least one inpatient consult with the on-call resident during the rotation. The rotation includes attendance of weekly scheduled conferences and didactics. Students will be expected to present at grand rounds to the department. Students will also be expected to develop a brief educational video, module, or equivalent from a list of topics. An exam will be given at the end of the rotation based on reading, didactic sessions, and clinical teaching. Evaluation is based on clinical performance, presentation, educational project, post-rotation examination, interpersonal skills, and professionalism. Activity Hours per Week: Clinical patient care 20-36, Inpatient rounds 0-2, Didactic conferences 4-5, Independent learning 0-1, Research/education project 0-1, Simulation lab/web lab 0-1, Surgical observation 0-5, Meetings with course director 1.

Instructor: Shannon Lynch, MD (course director)

Typically Offered: Each four weeks.

Capacity: 1. 1.

Visiting Student Information: Visiting students are not to contact faculty or clinical departments prior to acceptance through VSLO. Doing so is considered a professional breach and may disqualify the student from being offered a rotation.

OPHT 725 INTERNATIONAL OPHTHALMOLOGY ELECTIVE 4 Credit Hours

ELECTIVE

Prerequisite: 2 week Ophthalmology rotation (under Surgery Clerkship in M3 year) or OPHT-720 Clinical Ophthalmology.

Instructor: Dr. Michael R. Feilmeier.

Typically Offered: FALL/SPR

Capacity: Variable. Location: Kathmandu, Nepal.

Visiting Student Information: This course is NOT available to visiting students.

OPHT 760 OFF CAMPUS ELECTIVE 4 Credit Hours

ELECTIVE

An Off-Campus Elective Application form must be submitted for this. (See Off-Campus Elective Application procedures.)

Prerequisite: Off-Campus Approval form completed.

Typically Offered: Each four weeks. Student Information: This course is NOT available to visiting students.

Capacity: Variable. Location: Variable.

OPHT 790 OPHTHALMOLOGY RESEARCH 4-5 Credit Hours

ELECTIVE

Prerequisite: Pre-arranged with an advisor.

Typically Offered: By Arrangement

Capacity: Variable.

Visiting Student Information: This course is NOT available to visiting students.