Advanced Clinical Clerkship  

Location: CHS  

1998-99

COURSE CHAIR:  
John Heckenlively, M.D.  
(310) 825-6089

PHONE #:  

SUPPORTING FACULTY:

STUDENT COORDINATOR:  
Jill Oversier  
(310) 825-6089

PHONE #:  

REPORT TO:  
John Heckenlively, M.D., @ 8:00 a.m., Harbor/UCLA Med. Ctr. Ophth. Clinic

PREREQUISITES:  
Ophthalmology clerkship

AVAILABLE TO EXTERNALS:  
Yes

STUDENTS / PERIOD:  
max 1 min 1

DURATION:  
6.8 weeks

1998-99 ELECTIVES BEGIN WEEKS:  
By arrangement

DESCRIPTION:

COURSE OBJECTIVES (in order of importance)

1. To learn the different types of inherited retinal degenerations, what differentiates them, how they are diagnosed
2. To become familiar with fundus photographs and fluorescein angiograms and be able to recognize different structures and abnormalities of the retina, optic nerve, retinal pigment epithelium, and blood vessels
3. To become familiar with visual electrophysiological testing
4. To acquire basic principles of clinical genetics and apply them to patients with hereditary eye diseases
5. Clinical research projects are available to those students who are interested

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. Retinitis pigmentosa
2. Macular degeneration
3. Fundus flavimaculatus
4. Cone degenerations
5. Diabetic retinopathy
6. Inflammatory diseases affecting the retina
7. 8.

INPATIENT:  
%

CLOSE CONTACT WITH:

OUTPATIENT:  
100%%

X FULL TIME FACULTY

CONSULTATION:  
100%%

CLINICAL FACULTY

PRIMARY CARE:  
0%

X FELLOWS

CONSULTATION:

X RESIDENTS

OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  
100

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  
160

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
</table>
| AM   | Harbor/UCLA Med. Ctr. EYE CLINIC  
Learn indirect ophthalmology & use of ophthalmic equipment | DSERC - CHS  
Research Time | JSEI - CHS  
Reading or research time | Harbor/UCLA Med. Ctr. EYE CLINIC  
Retina Rounds and Clinic | JSEI Retina Clinic or Research time |
| PM   | EYE CLINIC  
Review fundus photos and fluorescein angiograms | DSERC - CHS  
See retinal dystrophy and retina patients with Dr. Heckenlively | JSEI - CHS  
Basic Science Course and Clinical Conferences | EYE CLINIC  
Research Project Time | DSERC - CHS  
See retinal dystrophy and retina patients with Dr. Heckenlively |

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  
None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Advanced Clinical Clerkship  
Location: CHS  
1998-99

COURSE CHAIR:  
Drs. S. Bhat & A. Kreiger  
PHONE #:  
(310)-825-9543 or 5477

LEARNING OBJECTIVES (in order of importance)
1. Exposure to both ophthalmic basic science & clinical ophthalmology.
2. Introduction to some of the important principles & applications of basic vision research to the understanding of ocular structure & function & pathology.
4. Observation of various types of ophthalmic surgery.

SUPPORTING FACULTY:  
Jules Stein Eye Institute Department of Ophthalmology Faculty

STUDENT COORDINATOR:  
Lori Twitchell  
PHONE #:  
(310)-206-6138

REPORT TO:  
Room 3-223, Jules Stein Eye Institute, 8:00 am - first day of course.

PREREQUISITES:  
Some prior exposure to Ophthalmology teaching

AVAILABLE TO EXterns:  
yes

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cornea-External ocular
2. Glaucoma
3. Strabismus
4. Cataract
5. Retinal-vascular diseases
6. Neurological diseases
7. Diabetes
8. Oculo-plastics

INPATIENT: 10%
OUTPATIENT: 90%
CONSULTATION: 40%
PRIMARY CARE: 60%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  
60
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  
1500

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:30-12:00 - 3 Lectures</td>
<td>8:30-12:00 - 2-3 Lectures</td>
<td>8:00 - 12:00 - Clinical Faculty Offices</td>
<td>8:00-12:00 Operating Room Observe Eye Surgery</td>
<td>7:30 - 8:30 Retina rounds 8:30-12 Outpatient Offices</td>
</tr>
<tr>
<td>PM</td>
<td>JSEI University Ophthalmology Associates (UOA)</td>
<td>1:00 - 5:00 Outpatient offices 5:30 - 7:00 Fluorescein Angiography conf.</td>
<td>2:30-6:15 Basic science course &amp; Grand Rounds 7:00-9:00 Basic Science Lecture for 1st year Residents</td>
<td>1:00-5:00 Operating Room - Observe Eye Surgery 6:00-9:00 Microsurgery for 1st year Residents</td>
<td>1:00 - 5:00 Outpatient offices</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Advanced Clinical Clerkship

Location: HARBOR

1998-99

COURSE CHAIR: Shervin J. Isenberg, M.D.
PHONE #: (310)-222-2731

SUPPORTING FACULTY:
John Heckenlively, M.D., Richard Hoft, M.D.

STUDENT COORDINATOR: Jean Shimizu
PHONE #: (310)-222-2731

REPORT TO: Dr. Isenberg, 2nd Floor, Conference Room 2F10. @ 8:00 a.m.

LEARNING OBJECTIVES (in order of importance)
1. More advanced knowledge of common ophthalmic diseases.
2. Improve skills in ophthalmic history and examination.
3. Participate in consultations to see relation of the eye to systemic diseases.
4. Specifically, learn use of slit lamp biomicroscope and indirect ophthalmoscope.
5. Observe surgical procedures.
6. Gain enough skill to primarily care for selected out-patients by the 3rd or the 4th week.
7. Participate in teaching conferences.

PREREQUISITES: Medicine; Ophthalmology is strongly recommended

AVAILABLE TO EXTERNALS: yes

STUDENTS / PERIOD: max 1 min 1

DURATION: 4 weeks

1998-99 ELECTIVES BEGIN WEEKS:
By Arrangement

DESCRIPTION:

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Red eye
2. Strabismus
3. Glaucoma
4. Cataracts
5. Retinal disorders
6. Post-operative patients
7. Trauma

INPATIENT: 10%
OUTPATIENT: 90%
CONSULTATION: 10%
PRIMARY CARE: 90%

CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 100

TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 1100

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Observation of trauma surgery is optional.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
LEARNING OBJECTIVES (in order of importance)
1. Knowledge of the common diseases affecting the visual system including cataract, strabismus, glaucoma, uveitis, diabetic retinopathy, retinal detachment, external infections, optic neuropathies, and macular degeneration.
2. Understanding of the pattern and etiology of the most common visual field deficits.
3. Ability to perform a limited ophthalmologic history and physical examination and to formulate an initial plan of management (treatment or referral).
4. Knowledge of ophthalmic emergencies, i.e., central retinal artery occlusion, angle closure glaucoma, penetrating globe injuries, and ocular inflammation (red eye).
5. Ability to perform emergency room care of the acute ophthalmic emergencies.
6. Knowledge of the pharmacology of common drugs used in ophthalmology, e.g., mydriatics, cycloplegics, anti-glaucoma medications, topical steroids, and topical antibiotics.
7. Familiarity with ophthalmologic diagnostic equipment and techniques.
8. Exposure to microsurgical and laser techniques in ophthalmology.
10. Oral presentation of clinical data.

DESCRIPTION: Olive View Medical Center has a small but busy ophthalmology division with a relatively large volume of surgical cases. Students will be expected to have a basic background in general ophthalmology and will participate actively in the care of clinic patients.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cataract
2. Strabismus
3. External eye disease
4. Oculoplastics
5. Neuro-Ophthalmology
6. Glaucoma
7. Diabetic retinopathy
8. Uveitis

INPATIENT: 5%
OUTPATIENT: 95%
CONSULTATION: 10%
PRIMARY CARE: 90%

CLOSE CONTACT WITH:
X  FULL TIME FACULTY
X  CLINICAL FACULTY
X  FELLOWS
X  RESIDENTS
INterns
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 20-40
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 400

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AM</td>
<td>AM</td>
<td>AM</td>
<td>AM</td>
<td>AM</td>
</tr>
<tr>
<td></td>
<td>Surgery</td>
<td>Surgery</td>
<td>General clinic</td>
<td>Division</td>
<td>General clinic</td>
</tr>
<tr>
<td></td>
<td>General clinic</td>
<td>General clinic</td>
<td>General clinic</td>
<td>Surgery conference</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pediatric clinic</td>
<td></td>
<td></td>
<td>Retina clinic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Surgery</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>PM</td>
<td>PM</td>
<td>PM</td>
<td>PM</td>
</tr>
<tr>
<td></td>
<td>General clinic</td>
<td>Surgery/Oculoplastics clinic</td>
<td>Jules Stein Eye Institute grand rounds</td>
<td>General clinic</td>
<td>General clinic</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>General clinic</td>
<td></td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Each student will work closely with the resident and the attending staff in the clinic and at surgery. The student will make one 10-15 minute presentation on the topic of his or her choice to the Division Conference during the rotation.
Advanced Clinical Clerkship  

Location: KDMC  

1998-99

COURSE CHAIR: Richard Casey, M.D.  
PHONE #: (310)-668-4531

SUPPORTING FACULTY:  
Yaddavinder Dang, M.D., Richard Baker, M.D., Glen March, M.D., Charles Flowers, M.D., Cabrini Scott, M.D.

STUDENT COORDINATOR: Candace Chandler  
PHONE #: (310)-668-4531

REPORT TO: King/Drew Medical Center, Eye Clinic 4H @ 7:30 a.m. then Room 5009 @ 9:00 a.m.

PREREQUISITES: Prior exposure to Ophthalmology recommended

AVAILABLE TO EXTERNS: No

STUDENTS / PERIOD: max 2

DURATION: 4 weeks

1998-99 ELECTIVES BEGIN WEEKS: By Arrangement

DESCRIPTION: This course is designed especially for students with a career interest in Ophthalmology. However, all students are welcome who wish to have greater exposure and knowledge of a variety of ophthalmic disorders and surgical techniques. Clinical research opportunities are available with participation in on-going research projects.

LEARNING OBJECTIVES (in order of importance)

1. To understand visual system, anatomy, and pathophysiology through the evaluation and treatment of common ophthalmic diseases.

2. To demonstrate knowledge of diagnosis, treatment, and follow-up of common ophthalmic diseases, e.g., conjunctivitis, iritis, glaucoma, cataracts, retinal detachment, macular degeneration, diabetic retinopathy, optic neuropathy, ophthalmic emergencies, and systemic diseases with significant ocular manifestations.

3. To demonstrate techniques of slit lamp biomicroscopy, direct and indirect ophthalmoscopy, and tonometry.

4. To gain knowledge of the pharmacology of common ophthalmic drugs: mydriatics, cycloplegics, antiglaucoma medications, topical steroids, and antibiotics.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES

1. External diseases
2. Glaucoma
3. Retinal disease
4. Cataracts
5. Strabismus
6. Diabetes
7. Neuro-ophthalmologic diseases
8. Trauma

INPATIENT: 5%
OUTPATIENT: 95%
CONSULTATION: 10%
PRIMARY CARE: 90%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 60
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 1200

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30-8:15 AM</td>
<td>Inpatient Rounds</td>
<td>Inpatient Rounds</td>
<td>Glaucoma Rounds and Clinic</td>
<td>Inpatient Rounds</td>
<td>Grand Rounds</td>
</tr>
<tr>
<td></td>
<td>Grand Rounds Basic Science</td>
<td>Retina</td>
<td></td>
<td>Cornea Clinic</td>
<td>General</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(Cornea Conference monthly)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Neuro-Oculoplastics</td>
<td>Surgery Observation Journal Club (monthly)</td>
<td>General Clinic</td>
<td>Surgery Observation Journal Club (monthly)</td>
<td>General</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Retina Laser Surgery</td>
<td>General Pathology</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>General</td>
<td></td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Provide own ophthalmoscope.
OP250.06 OPHTHALMIA

Advanced Clinical Clerkship  Location:  CHS  1998-99

COURSE CHAIR:  PHONE #:  
Marc O. Yoshizumi, M.D.  (310) 825-4749

SUPPORTING FACULTY:  
Robert Goldberg., M.D., David Lee, M.D., Kevin Miller, M.D., Steven Schwartz, M.D.

STUDENT COORDINATOR:  PHONE #:  
Veronica Corcoran  (310) 825-4749

REPORT TO:  Veronica Corcoran, 3rd Fl., Doris Stein Research Center, JSEI

COURSE OBJECTIVES (in order of importance)
1. Gain insight into the highest level of ophthalmic care delivered in the United States today, much beyond the basic clerkship offered in the medical school curriculum.
2. Students will get to work closely with a particular specialist within ophthalmology and concentrate on the diagnosis, treatment, and surgery of a particular ophthalmic disease such as glaucoma, retinal disease, or cataracts.
3. Intensive directed reading will reveal what is known about a particular aspect of ophthalmology and the problems which need to be solved in the frontiers of knowledge will be discussed.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Diabetic Retinopathy
2. Retinal Detachment
3. Age Related Macular Degeneration
4. Retinopathy of prematurity
5. Glaucoma
6. Cataracts
7. Intraocular lens implantation

INPATIENT:  10%
OUTPATIENT:  90%
CONSULTATION:  100%
PRIMARY CARE:  0%

CLOSE CONTACT WITH:  
X  FULL TIME FACULTY
X  CLINICAL FACULTY
X  FELLOWS
X  RESIDENTS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  0
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  300

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>Surgery or Consultation</td>
<td>Surgery or Consultation</td>
<td>Surgery</td>
<td>Surgery or Consultation</td>
<td>Surgery or Consultation</td>
</tr>
<tr>
<td>PM</td>
<td>Surgery or Consultation or Directed Literature Review</td>
<td>Surgery or Consultation or Directed Literature Review</td>
<td>Clinical and Basic Science Seminars</td>
<td>Surgery or Consultation or Directed Literature Review</td>
<td>Surgery or Consultation or Directed Literature Review</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:  None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:  The student must coordinate his/her monthly rotation on a one (1), preceptor either Dr. Yoshizumi, Dr. Goldberg, Dr. Lee, Dr. Miller to one (1) student basis in a particular subspeciality choice and arrange for the one month time period in accordance with the schedule of the preceptor.  (Call Ms. Veronica Corcoran 310-825-4749).
LEARNING OBJECTIVES (in order of importance)
1. Development of an approach to pathologic evaluation of biopsies and surgical specimens with emphasis on the clinical and pathologic criteria essential to decision making.
2. Acquaintance with the value, uses, and limitations of pathologic evaluation of surgical specimens.
3. Opportunity for clinical, pathologic, and radiologic correlations in a variety of neoplastic and inflammatory conditions.
4. Exposure to specialized techniques such as: diagnostic electron microscopy, immunohistochemistry, and fine needle aspiration biopsies.
5. Practice in the technical procedures of gross and microscopic evaluation of various surgical specimens, including special stains.

DESCRIPTION: The student is integrated into the regular housestaff rotation in ophthalmic pathology, and assumes primary responsibility for a limited amount of cases daily, carrying them through the entire process of evaluation until final sign out with the attending pathologist.

STUDENT EXPERIENCES
COMMON PROBLEMS/DISEASES
1. Inflammation
2. Trauma/wound healing
3. Developmental/congenital defects
4. Intraocular tumors
5. Pathology of conjunctiva
6. Pathology of cornea
7. Pathology of lens
8. Pathology of retina

INPATIENT: NA%
OUTPATIENT: NA%
CONSULTATION: NA%
PRIMARY CARE: NA%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 60-70
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 200+

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM</td>
<td>Gross in autopsy eyes</td>
<td>Gross in autopsy eyes</td>
<td>Gross in autopsy eyes</td>
<td>Gross in autopsy eyes</td>
<td>Gross in autopsy eyes</td>
</tr>
<tr>
<td></td>
<td>“Unknown” Conf. (Slides are shown in Microscopic reading of surgical specimens)</td>
<td>“Unknown” Conf. which diagnosis is Microscopic reading of surgical specimens</td>
<td>“Unknown” Conf. unknown; student is to Microscopic reading of surgical specimens Sign out conference</td>
<td>“Unknown” Conf. identify problem Microscopic reading of surgical specimens</td>
<td>“Unknown” Conf. Microscopic reading of surgical specimens</td>
</tr>
<tr>
<td>PM</td>
<td>Free reading Gross in surgical specimens Sign out conference</td>
<td>Free reading Gross in surgical specimens Sign out conference</td>
<td>Free reading Gross in surgical specimens Sign out conference</td>
<td>Free reading Gross in surgical specimens Sign out conference</td>
<td>Free reading Gross in surgical specimens Sign out conference</td>
</tr>
</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: There is no overnight call or scheduled weekend activities.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Students will be evaluated both subjectively and objectively. Students will be given a written test on assigned reading on a weekly basis. Although there is no call schedule, students should expect to stay late on some evenings. Students will also be expected to pick a “mini-project” to work on during this rotation.