PA162.01 NEUROPATHOLOGY ELECTIVE

LOCATION: CHS 2007-2008 Revised: 11/29/06

STUDENT EXPERIENCES
CLOSE CONTACT WITH:
- FULL-TIME FACULTY
- CLINICAL FACULTY
- FELLOWS
- RESIDENTS
- INTERNS
- OTHER: Student fellows

PREREQUISITES: None

AVAILABLE FOR EXterns: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2007-2008 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: Introduction to modern Molecular and Morphologic GIC methods for the study of human nervous system disease.

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Cerebrovascular disease
2. Degenerative disease in CNS
3. Inf. disease, opportunistic inf.
4. Demyelination
5. Muscle disease, histochemistry, EM
6. Peripheral nerve biopsy exam
7. Clinical neurochemistry
8. Brain Tumors

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 5 – 10 (specimens)

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 25 (specimens)

TYPICAL WEEKLY SCHEDULE

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: Optional frozen section and autopsy on-call, including evenings and weekends.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Excellent introduction to study of human CNS/PNS disease with opportunity to prepare case report or mini-paper for publication. Course participants are also encouraged to attend other teaching activities of the Dept. of Pathology & Lab Medicine (weekly schedule provided at the start of rotation).
STUDENT EXPERIENCES

CLOSE CONTACT WITH:
2. Acquire knowledge through directed readings, discussions, and case studies on: TM standards and requirements, TM immunology and genetic applications, Pretransfusion testing, Resolving serological problems, Collection and preparation of blood components, Selection and transfusion of blood components, Adverse effects of transfusion, Autoimmunity, transplantation, hemolytic disease of the newborn, & Organization and function of a regional blood center and hospital transfusion service.
3. Observe laboratory procedures. Perform and interpret: ABO, Rh, antibody screen, crossmatch, direct antiglobulin test, antibody identification, antigen phenotyping.
4. Recognize areas of potential research in TM.

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 8
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 25

TYPICAL WEEKLY SCHEDULE

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<th>Hour</th>
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<td>AM</td>
<td>8:00</td>
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<td>Review Problem Cases</td>
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<td></td>
<td>10:00 Rotation Assignments</td>
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<td>10:00 Rotation Assignments</td>
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<td>PM</td>
<td>Noon Clinic Path Conference/Lunch</td>
<td>Noon Lunch</td>
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<td>Noon Clinic Path Conference/Lunch</td>
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<td>2:00 Didactic Session and Case Sign-Out with TM Faculty</td>
<td>1:00 Rotation Assignments</td>
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<td>2:00 Didactic Session and Case Sign-Out with TM Faculty</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: Rotation assignments include didactic and laboratory exercises on transfusion medicine topics. Students will participate in TM consultations. Program may be tailored to meet students’ specific interests. One day may be spent at the Los Angeles Red Cross Blood Center.

275
PA250.01 ANATOMICAL PATHOLOGY

Advanced Clinical Clerkship

Location: HARBOR

2007-2008

Revised: 11/29/06

STUDENT EXPERIENCES

CLOSE CONTACT WITH:

X FULL-TIME FACULTY
X CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS
OTHER:

STUDENT COORDINATOR:
Adriana Flores (310) 222-2643

FAX: E-MAIL: adflores@ladhs.org

REPORT TO: Robert Morin, M.D., Harbor-UCLA Medical Center, 2nd Floor South, Room 2A, 8:30 a.m.

PREREQUISITES: None

AVAILABLE FOR EXterns: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2007-2008 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

DESCRIPTION: This in-depth elective is designed to provide 4th year medical students with an introduction to and instruction in morphological pathology based on the daily activities of an academic Department of Pathology in an acute general hospital. At the conclusion, the clerk will have had intimate contact with the role and activities of Pathologist Care.

COMMON PROBLEMS/DISEASES

1. Necropsy Pathology
2. Surgical Pathology
3. Clinical Cytology
4. Bone Marrow Pathology
5. Aspiration Cytology
6. Diagnostic Electron Microscopy
7. Forensic Pathology
8. Morphological Hematology

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10%

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: N/A

TYPICAL WEEKLY SCHEDULE

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<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>8:15 – 9:15 Frozen Section Conference</td>
<td>GYN. Pathology Conference</td>
<td>Hemato. Pathology Conference</td>
<td>Surgical Morbidity and Mortality Conference</td>
<td>Autopsy</td>
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<td>9:15 – 10:30 Pathology Grand Rounds</td>
<td>7:30 – 9:30 Surgical Morbidity and Mortality Conference</td>
<td>8:30 – 9:30 Show and Tell Conf.</td>
<td>10:00am-10:30am Gross Micro-Radiology Correlation Conference.</td>
<td>11:00 – 12:00 Neuropathology Conference</td>
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<td>10:30 – 12:00 Pathology Grand Rounds</td>
<td>9:00 – 12:00 Neuropathology Conference</td>
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<tr>
<td>PM</td>
<td>1:00 – 2:00 Breast Tumor Conference</td>
<td>12:00 Tumor Board</td>
<td>12:00 Tumor Board</td>
<td>12:00 Medical M&amp;M Conf.</td>
<td>2:00 – 3:00 Brain Cutting Conference</td>
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<td>2:00 – 3:00 Brain Cutting Conference</td>
<td>12:00 Tumor Board</td>
<td>12:00 Medical M&amp;M Conf.</td>
<td>12:00 Medical M&amp;M Conference</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None
COMMON PROBLEMS/DISEASES

1. Differential diagnosis of neoplasms
2. Tumor grading and staging
3. Evaluation of inflammatory conditions

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 25+
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENitre SERVICE: 300

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>8:30 - Autopsy Pathology Seminar Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens</td>
<td>Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens</td>
<td>8:15 - 9:30 - Pathology Grand Rounds Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens</td>
<td>8:00 - Surgical Pathology Seminar Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens</td>
<td>8:00 - Surgical Pathology Seminar Dissection &amp; Evaluation of Gross Pathology of Individual Surgical Specimens 11:30 - Surgical Path Case Conference Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist</td>
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<tr>
<td>PM</td>
<td>Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist</td>
<td>Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist</td>
<td>Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist</td>
<td>Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: N/A

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: The number and types of cases assigned are flexible, dependent upon the student's experience and areas of specific interest and upon availability of surgical specimens. Numerous additional conferences are available and students will be directed there as is appropriate. Students will meet with Dr. Lassman weekly to discuss particular disease processes in detail.
OVERVIEW OF CLINICAL PATHOLOGY

COURSE CHAIR: Samuel H. Pepkowitz, M.D.  
PHONE #: (310) 423-5360  
FAX:  
E-MAIL:

SUPPORTING FACULTY:  
Stephen Lee, M.D., Stuart Dublin, M.D., Dennis Goldfinger, M.D., Wesley S. Nichols, M.D.

STUDENT COORDINATOR: Jean Havercroft  
PHONE #: (310) 423-8981  
FAX:  
E-MAIL: havercroft@cshs.org

REPORT TO: Dr. Samuel Pepkowitz, Room 1670, 8:30 a.m.

PREREQUISITES: Medicine or Pediatrics

AVAILABLE FOR EXTERNALS: Yes

STUDENTS / PERIOD: max 4 min 1

DURATION: 3 weeks

2007-2008 ROTATIONS BEGIN WEEKS: 12, 42

DESCRIPTION: A three-week elective to introduce students to the principles of effective laboratory utilization and to acquaint them with current methods for evaluating blood, cells, and other body fluids, with some exposure to anatomic pathology.

COMMON PROBLEMS/DISEASES
1. Renal failure  
2. Myocardial infarction  
3. Infectious diseases  
4. Opportunistic infection  
5. Anemia  
6. Coagulopathy  
7. AIDS  
8. Transfusion Medicine

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

CLOSE CONTACT WITH:  
X FULL-TIME FACULTY  
X FELLOWS  
X RESIDENTS  
X INTERNS  
OTHER:

PROJECT # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: N/A

TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: N/A

TYPICAL WEEKLY SCHEDULE

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<tr>
<th>Hour</th>
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<tr>
<td>AM</td>
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<tr>
<td></td>
<td>Intro to Labs</td>
<td>Clinical Chemistry Laboratory; Major Analysis</td>
<td>Enzyme Analysis Laboratory</td>
<td>Autopsy Conference</td>
<td>Mycobacteriology</td>
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<td>10:30</td>
<td>10:00 Seminar: Discussion of Procedures</td>
<td>10:00 Toxicology Lab</td>
<td>9:00 Microbiology Lab</td>
<td>10:00 Mycology and Parasitology</td>
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<tr>
<td>PM</td>
<td>12:00</td>
<td>1:00</td>
<td>1:00</td>
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<tr>
<td></td>
<td>- Pathology Grand Rounds</td>
<td>- Case Studies</td>
<td>- Case Studies</td>
<td>- Case Studies</td>
<td>- Case Studies</td>
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<td>2:30 - Principles of Instrumentation</td>
<td>2:30 - Introduction to Enzymology</td>
<td>2:30 - Introduction to Microbiology</td>
<td>2:30 - Introduction to Virology</td>
<td>2:30 - Introduction to Hematology</td>
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<td>4:00</td>
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<td>- How the Laboratory Costs Are Determined</td>
<td>- Introduction to Toxicology</td>
<td>- Principles of Microbiology Instrumentation</td>
<td>- Introduction to Mycology</td>
<td>- Principles of Hematology Instrumentation</td>
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</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
Students are assigned to observe and assist staff members in performing autopsies. After microscopic and other laboratory studies are completed, students and staff members meet in conference.

### Student Experiences

<table>
<thead>
<tr>
<th>Common Problems/Diseases</th>
<th>Inpatient: 100%</th>
<th>Close Contact With:</th>
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<tbody>
<tr>
<td>CNS, muscle, heart, lungs</td>
<td>OUTPATIENT: 0%</td>
<td>X FULL-TIME FACULTY</td>
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<tr>
<td>Liver, GI tract, GU tract</td>
<td>CONSULTATION: 100%</td>
<td>CLINICAL FACULTY</td>
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<tr>
<td>Musculo-skeletal system</td>
<td>PRIMARY CARE: 0%</td>
<td>X FELLOWS</td>
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<tr>
<td>Endocrine system</td>
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<td>X RESIDENTS</td>
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<td>Acute and chronic inflammation</td>
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<td>X INTERNS</td>
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<tr>
<td>Congenital malformation</td>
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<td>OTHER:</td>
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<tr>
<td>Metabolic problems</td>
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</table>

### Approximate # of Patients Evaluated Each Week by Student:
3

### Total # of Patients Evaluated Each Week by Entire Service:
5

### Typical Weekly Schedule

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<tr>
<th>AM</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
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<tbody>
<tr>
<td>8:30 – 9:30</td>
<td>Autopsy Case Conference</td>
<td>9:00 - Brain Cutting</td>
<td>8:15 - Pathology Grand Rounds</td>
<td>8:00 – 9:00: Cytology, Fine Needle, EM and Immunopathology Conference</td>
<td>8:00 – 9:00 Surgical Pathology Micro Conference</td>
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<td></td>
<td>Case Work</td>
<td>10:00 - Neuropathology Rounds</td>
<td>Case Work</td>
<td>Case Work</td>
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<td></td>
<td>11:00 - Brain Cutting</td>
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<tr>
<td>PM</td>
<td>1:00 – 2:00 Neuropathology Session</td>
<td>3:00 – 4:00 Special Brain Cutting</td>
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<td>1:00: Peds Cardiology (First Friday)</td>
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<td></td>
<td>Case Work</td>
<td>Case Work</td>
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<td>Case Work</td>
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### Additional Comments and Other Special Requirements:

- Students will have opportunities to work closely with full-time faculty, clinical faculty, fellows, residents, and interns.
- The course objectives aim to improve knowledge of anatomic and functional relations of the organ systems to each other and to the surface of the body.
- Students will develop facility in reading, observing, presenting, and discussing disease in a patient.
- The course objectives include understanding the pathogenesis of disease of the body, clinical-pathologic correlation of signs and symptoms with pathologic mechanisms, recognition of etiologic processes, and recognition of main reactions in each organ system.
- The course objectives also aim to improve the diagnosis, treatment, and investigation of disease by clinicians and pathologists.

### Prerequisites:
None

### Available for Externs:
Yes

### Students / Period:
max 1 min 1

### Duration:
3 weeks

### 2007-2008 Rotations Begin Weeks:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45

### Description:
Students are assigned to observe and assist staff members in performing autopsies. After microscopic and other laboratory studies are completed, students and staff members meet in conference.