**COURSE CHAIR:** Harry V. Vinters, M.D.  
**PHONE #:** (310) 825-6191  
**E-MAIL:**

**SUPPORTING FACULTY:**  
Paul S. Mischel, M.D., Wm. H. Yong, Negar Khanlou, M.D., and M. Anthony Verity, M.D.

**STUDENT COORDINATOR:** Tina Thomas  
**PHONE #:** (310) 825-6191  
**E-MAIL:** tthomas@mednet.ucla.edu

**REPORT TO:** Dr. Vinters, 18-170 CHS at 8:15 on first day.

**PREREQUISITES:** None

**AVAILABLE FOR EXTERNS:** Yes

**STUDENTS / PERIOD:** max 2 min 1

**DURATION:** 3 weeks

**2008-2009 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 and their pathogenesis. Student also have opportunity to work on a short “case report.”

**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

**COURSE OBJECTIVES (in order of importance)**
1. Provide a continuing advanced survey of diseases of the nervous system, emphasizing molecular pathogenesis.  
2. Study of relevant gross, microscopic, biochemical, and molecular lesions.  
3. Introduction of ultrastructural, histochemical, immunopathologic, and biochemical lesions of central and peripheral nervous system, including neuromuscular disease.  
4. Learn to examine, cut and describe gross abnormalities in the brain and spinal cord.  
5. Appreciate and describe microscopic findings and clinicopathologic correlates.  
6. Study a core-program of neuropathologic disease revealed in gross and microscopic specimens.  
7. Correlate ultrastructural and histochemical findings in nerve and muscle disease.  
8. Prepare a short thesis and verbal presentation with library research in a single neuropathologic topic (case report with review format).  
9. Elective is ideal for any student planning a career in clinical neurology, neurosurgery, or neuroradiology, or a career in investigational neuroscience.

**TYPICAL WEEKLY SCHEDULE**

**AM**  
8:30 General Autopsy Conf.  
10:00 - Muscle Biopsy Sign-Out (Self-Study Core Program) (Week Long)  
9:00 Brain Cutting (Morgue 13-165)  
11:00 - 12:00: Neuro-Oncology Conference (200 Medical Plaza)

**NRB Auditor**  
9:00 - 10:00 Neurology Grand Rnds  
10:00 - 11:00: Muscular Dystrophy Conference  
11:00 - 12:00: Neuro-Oncology Conference (200 Medical Plaza)

**Wednesday**

**Thursday**

**Friday**

**INPATIENT:** 66%  
**OUTPATIENT:** 33%  
**CONSULTATION:** 100%  
**PRIMARY CARE:** N/A  
**CLOSE CONTACT WITH:**

X FULL-TIME FACULTY  
X FELLOWS  
X RESIDENTS  
X OTHER: Student fellows

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

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

**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).
COURSE CHAIR: Alyssa Ziman, M.D.  
PHONE #: (310) 794-6671  
E-MAIL:  

SUPPORTING FACULTY: Shan Yuan, M.D., Qun Lun, M.D., Dennis Goldfinger, M.D.  

STUDENT COORDINATOR: Becky Davis  
PHONE #: (310) 825-6651  
E-MAIL: rdavis@mednet.ucla.edu  
Annetta Pierro  
PHONE #: (310) 825-5719  
E-MAIL: apierro@mednet.ucla.edu  

REPORT TO: Becky Davis, UCLA Medical Center, A4-239 CHS  

PREREQUISITES: None  

AVAILABLE FOR EXTERNs: Yes  

STUDENTS / PERIOD: max 2 min 1  

DURATION: 3 weeks  

2008-2009 ROTATIONS BEGIN WEEKS: 2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48  

DESCRIPTION: UCLA Medical Center has a comprehensive transfusion service, donor center, and apheresis facility. Students will rotate through all three areas to learn technical and medical aspects of transfusion medicine. Emphasis will be placed on management of patients with transfusion medicine problems.  

STUDENT EXPERIENCES:

<table>
<thead>
<tr>
<th>COMMON PROBLEMS/DISEASES</th>
<th>INPATIENT: 90%</th>
<th>OUTPATIENT: 10%</th>
<th>CONSULTATION: 90%</th>
<th>PRIMARY CARE: 10%</th>
<th>X FULL-TIME FACULTY</th>
<th>X CLINICAL FACULTY</th>
<th>X FELLOWS</th>
<th>X RESIDENTS</th>
<th>X INTERNS</th>
<th>X OTHER: Medical Technologists</th>
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</thead>
<tbody>
<tr>
<td>1. Atypical requests for blood components</td>
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<td>2. Blood selection problems associated w/ complex antibodies/clinical problems</td>
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<td>3. Transfusion reactions</td>
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<td>4. Autoimmune hemolytic anemia</td>
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<td>5. RhIG Candidates</td>
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<td>6. Hemolytic disease of the newborn</td>
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<td>7. Therapeutic apheresis</td>
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<td>8. Blood donor suitability and reactions to donation</td>
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</table>

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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<tr>
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<td></td>
<td>Rotation Assignments</td>
<td>Review Problem Cases</td>
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<td>Rotation Assignments</td>
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<td>Clinic Path. Conference/Lunch</td>
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<td>Rotation Assignments</td>
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<td></td>
<td>Didactic Session and Case Sign-Out with TM Faculty</td>
<td>Didactic Session and Case Sign-Out with TM Faculty</td>
<td>Didactic Session and Case Sign-Out with TM Faculty</td>
<td>Didactic Session and Case Sign-Out with TM Faculty</td>
<td>Didactic Session and Case Sign-Out with TM Faculty</td>
</tr>
</tbody>
</table>

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.
PA250.01 ANATOMICAL PATHOLOGY

Advanced Clinical Clerkship
Location: HARBOR
2008-2009
Revised: 11/29/07

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

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

INPATIENT: N/A
OUTPATIENT: N/A
CONSULTATION: 5%
PRIMARY CARE: 95%

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 10%
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: N/A

TYPICAL WEEKLY SCHEDULE

<table>
<thead>
<tr>
<th>Hour</th>
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<tbody>
<tr>
<td>AM</td>
<td>8:15 – 9:15 Frozen Section Conference</td>
<td>Hemato. Pathology Conference</td>
<td>7:30 – 9:30 Surgical Morbidity and Mortality Conference</td>
<td>Autopsy</td>
<td>9:00 – 10:00 Pathology Grand Rounds</td>
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<td>GYN. Pathology 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>12:30 Breast Tumor Board</td>
<td>12:00 Tumor Board</td>
<td>12:00 Medical M&amp;M Conf.</td>
<td>11:00 – 12:00 Neuropathology Conference</td>
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<td>4:00 – 5:00 Pulmonary Pathology Conference Breast Clinic</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>1:00 – 2:00 Breast Tumor Conference</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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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None.

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None.
STUDENT EXPERIENCES

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

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 ENTIRE SERVICE: 300

TYPICAL WEEKLY SCHEDULE

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.
STUDENT EXPERIENCES

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

COURSE OBJECTIVES (in order of importance)
1. Interpret basic blood typing and red-cell crossmatching.
2. Learn the basics of hemapheresis.
3. Learn to perform and analyze bone marrow specimen
4. Learn to interpret peripheral blood smears.
5. Gain an introduction to the organizations of a microbiology and chemistry laboratory.

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.
CSU99.01 AUTOPSY PATHOLOGY
Advanced Clinical Clerkship
Location: CHS 2008-2009
Revised: 12/6/07

STUDENT EXPERIENCES
CLOSE CONTACT WITH:
X FULL-TIME FACULTY
CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS

OTHER:
100%
0%
100%
0%

COMMON PROBLEMS/DISEASES
1. CNS, muscle, heart, lungs
2. Liver, GI tract, GU tract
3. Musculo-skeletal system
4. Endocrine system
5. Acute and chronic inflammation
6. Congenital malformation
7. Metabolic problems

APPROXIMATE # OF PATIENTS EVALUATED EACH WEEK BY STUDENT: 3
TOTAL # OF PATIENTS EVALUATED EACH WEEK BY ENTIRE SERVICE: 5

TYPICAL WEEKLY SCHEDULE

<table>
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<tr>
<th>Hour</th>
<th>Monday</th>
<th>Tuesday</th>
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</thead>
<tbody>
<tr>
<td>AM</td>
<td>8:30 – 9:30 am</td>
<td>8:00 - 9:00 am Daily Resident Teaching Conf.</td>
<td>8:00 - 9:00 am Daily Resident Teaching Conf.</td>
<td>8:00 - 9:00 am Daily Resident Teaching Conf.</td>
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<td>Autopsy Case Conference</td>
<td>9:00 - Brain Cutting</td>
<td>10:00 - Neuropathology Rds</td>
<td>11:00 - Brain Cutting</td>
<td>12:00 - Pathology Grand Rds.</td>
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<tr>
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<td>Case Work</td>
<td>12:00 - 1:00 - Daily Resident Teaching Conf.</td>
<td>1:00 - 2:00: Neuropathology Session</td>
<td>3:00 – 4:00: Special Brain Cutting</td>
<td>Case Work</td>
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<tr>
<td>PM</td>
<td>12:00 - 1:00 - Daily Resident Teaching Conf.</td>
<td>12:00 - 1:00 Daily Resident Teaching Conf.</td>
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<td>12:00 - 1:00 Daily Resident Teaching Conf.</td>
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</tbody>
</table>

ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:

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.

2008-2009 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45

STUDENT COORDINATOR: Annetta Pierro
PHONE #: (310) 825-5719
E-MAIL: apierro@mednet.ucla.edu

DESCRIPTION:

1. Understanding the pathogenesis of disease of the body.
2. Clinical-pathologic correlation of signs and symptoms with pathologic mechanisms.
4. Recognition of main reactions in each organ system.
5. To improve knowledge of anatomic and functional relations of the organ systems to each other and to the surface of the body.
6. To improve the physician’s conceptual visualization of disease in the body.
7. To develop facility in reading, observing, presenting, and discussing disease in a patient.
8. To improve the diagnosis, treatment, and investigation of disease by clinicians and pathologists.

COURSE OBJECTIVES (in order of importance)