PA162.01 NEUROPATHOLOGY ELECTIVE


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

SUPPORTING FACULTY:
M. Anthony Verity, M.D., Paul S. Mischel, M.D., Dennis J. Chute

STUDENT COORDINATOR: PHONE #: 
Annetta Pierro (310) 825-7230
E-MAIL: apierro@mednet.ucla.edu

REPORT TO:
Dr. Vinters, 18-170 CHS at 8:30 on first day.

PREREQUISITES: None

AVAILABLE TO EXTERNS: Yes

STUDENTS / PERIOD: max 2 min 1

DURATION: 3 weeks

2003-2004 ROTATIONS BEGIN WEEKS:
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

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 gross abnormalities in the brain and spinal cord.
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

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

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 MONTH/STUDENT:
20-40 (specimens)
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:
100 (specimens)

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>8:30</td>
<td>8:15</td>
<td>8:15-9:15</td>
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<tr>
<td></td>
<td>General Autopsy Conf., Morgue 13-165</td>
<td>Pathology Grand Rounds</td>
<td>Surgical Pathology Sign-Out</td>
<td>Autopsy Case Sign-Out</td>
<td>Macro Fellow-Up On Brain Cutting Cases</td>
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<td>9:00</td>
<td>9:00-10:00</td>
<td>Surgical Pathology Sign-Out</td>
<td>10:00 Research Presentation (Final Friday Of Rotation)</td>
<td>10:15 Surgical Pathology Teaching Conference</td>
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<td>Brain Cutting (Morgue 13-165)</td>
<td>Neurology Grand Rounds</td>
<td>1:00</td>
<td>11:30 Surgical Pathology Teaching Conference</td>
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<td>10:00</td>
<td>11:00-12:00</td>
<td>Special Brain Cutting Conference, Morgue</td>
<td>2:00 Short Thesis Presentation (final Friday of rotation)</td>
<td>12:00</td>
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<td>Muscle biopsy sign-out</td>
<td>Neuro-Oncology Conference (200 Medical Plaza)</td>
<td>Surgical Pathology Sign-Out</td>
<td>2:00</td>
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<td>(Self-Study Core Program) (Week Long)</td>
<td>Independent Study</td>
<td>4:00 Surgical Pathology Sign-Out</td>
<td>Autopsy Review Of Muscle-Nerve Biopsy with Fellow</td>
<td>Pain Medicine Conference</td>
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<td>Surgical Pathology Sign-Out</td>
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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).
PA240.01 TRANSFUSION MEDICINE

Advanced Clinical Clerkship  Location: CHS

COURSE CHAIR:  PHONE #:  2003-2004

SUPPORTING FACULTY:
Gary Schiller, M.D. (310) 794-7177
Priscilla I. Figueroa, M.D. (310) 794-6671

STUDENT COORDINATOR:  PHONE #:  E-MAIL:
Loni Calhoun (310) 825-6695  lcalhoun@mednet.ucla.edu

REPORT TO:
Loni Calhoun, UCLA Medical Center, A4-239 CHS.

PREREQUISITES:  None
AVAILABLE TO EXTERNS:  yes
STUDENTS / PERIOD:  max 2 min 1
DURATION:  3 weeks

2003-2004 ROTATIONS BEGIN WEEKS:
2,5,8,11,14,17,20,27,30,33,36,39,42,45,48

COURSE OBJECTIVES (in order of importance)
To understand and apply the fundamental concepts and principles of Transfusion Medicine (TM) to clinical practice.
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.

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
COMMON PROBLEMS/DISEASES
1. Atypical requests for blood components
2. Blood selection problems associated with complex antibodies/clinical problems
3. Transfusion reactions
4. Autoimmune hemolytic anemia
5. RhIG Candidates
6. Hemolytic disease of the newborn
7. Therapeutic apheresis
8. Blood donor suitability and reactions to donation

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT:  30
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE:  100

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>8:00 Topic Discussions 9:15 Review Problem Cases 10:00 Rotation Assignments</td>
<td>8:00 Clinic Path Conference 9:15 Review Problem Cases 10:00 Rotation Assignments</td>
<td>8:00 Pathology Grand Rounds 9:15 Review Problem Cases 10:00 Rotation Assignments</td>
<td>8:00 Topic Discussions 9:15 Review Problem Cases 10:00 Rotation Assignments</td>
<td>8:00 Topic Discussions 9:15 Review Problem Cases 10:00 Rotation Assignments</td>
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<tr>
<td>PM</td>
<td>Noon Clinic Path. Conference/lunch 1:00 TM Management 2:00 Didactic session: TM Faculty 4:00 Q&amp;A sessions</td>
<td>Noon lunch 1:00 Rotation Assignments 2:00 Didactic session: TM Faculty 4:00 Q&amp;A Sessions</td>
<td>Noon lunch 1:00 Rotation Assignments 2:00 Didactic session: TM Faculty 4:00 Q&amp;A Sessions</td>
<td>Noon lunch 1:00 Rotation Assignments 2:00 Didactic session: TM Faculty 4:00 Q&amp;A Sessions</td>
<td>Noon lunch 1:00 Rotation Assignments 2:00 Didactic session: TM Faculty 4:00 Q&amp;A Sessions</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.

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COURSE CHAIR: Samuel French, M.D.  
PHONE #: (310) 222-2643

SUPPORTING FACULTY: 
Div. of Anatomical Pathology and other AP faculty

STUDENT COORDINATOR: Adriana Flores  
PHONE #: (310) 222-2643
E-MAIL: adflores@dhs.co.la.ca.us

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

PREREQUISITES: None

AVAILABLE TO EXTERNALS: Yes

STUDENTS/PERIOD: max 2 min 1

DURATION: 3 weeks

2003-2004 ROTATIONS BEGIN WEEKS
2, 5, 8, 11, 14, 17, 20, 27, 30, 33, 36, 39, 42, 45, 48

COURSE OBJECTIVES (in order of importance)
1. Instruction in necropsy pathology.
2. Exposure to general surgical pathology.
3. Learning the functions of a Pathologist as a consultant.
4. Acquiring a basic foundation for the practice of medicine.
5. Exposure to aspiration cytology.
6. Exposure to bone marrow aspirations.

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.

STUDENT EXPERIENCES

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: NA%
OUTPATIENT: NA%
CONSULTATION: 5%
PRIMARY CARE: 95%
CLOSE CONTACT WITH:
FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 10%
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: NA

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>8:15 - 9:15 Frozen Section Conference GYN. Pathology Conference</td>
<td>Hemato. Pathology Conference</td>
<td>7:30 - 9:30 Surgical Morbidity and Mortality Conference 8:30 - 9:30 Show and Tell Conference</td>
<td>Autopsy 9:30 Gross Micro-Radiology Correlation Conference.</td>
<td>8:30 - 9:30 Pathology Grand Rounds 11:00-12:00 Neuropathology Conference</td>
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<td>1:00 - 2:00 Breast Tumor Conference</td>
<td>12:30 Breast Tumor Board</td>
<td>12:00 Tumor Board</td>
<td>12:00 Medical M&amp;M Conf. GI Pathology Hematopathology Conference</td>
<td>2:00 - 3:00 Brain Cutting Conference</td>
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<tr>
<td>PM</td>
<td>1:00 - 2:00 Breast Tumor Conference</td>
<td>4:00 - 5:00 Pulmonary Pathology Conference Breast Clinic</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: None
Advanced Clinical Clerkship  
Location: CHS

COURSE OBJECTIVES (in order of importance)
1. Development of an approach to pathologic evaluation of biopsies and surgical specimens with emphasis on the clinical and pathological criteria essential to decision-making.
2. Acquaintance with the value, uses, and limitations of pathologic evaluation of surgical specimens.
3. Opportunity for clinical/pathologic/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. Knowledge of clinical indications, methods and effectiveness of frozen-section diagnoses.
6. Practice in technical procedures of gross and microscopic evaluation of various surgical specimens, including use of special stains.

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

STUDENT EXPERIENCES

COMMON PROBLEMS/DISEASES
1. Differential diagnosis of neoplasms
2. Tumor grading and staging
3. Evaluation of inflammatory conditions

INPATIENT: N/A
OUTPATIENT: N/A
CONSULTATION: N/A
PRIMARY CARE: N/A
CLOSE CONTACT WITH:
FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 100+
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 1200

TYPICAL WEEKLY SCHEDULE

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</table>
| AM   | 8:30 Autopsy Pathology Seminar  
Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens | Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens | 8:15 -9:30 Pathology Grand Rounds  
Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens | 8:00 Surgical Pathology Seminar  
Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens | 8:00 Surgical Pathology Seminar  
Dissection and Evaluation of Gross Pathology of Individual Surgical Specimens  
11:30 Surgical Path Case Conference |
| PM   | Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist  
Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist | Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist | Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist | Evaluation of microscopic pathology of individual cases, review and sign-out or cases with attending surgical pathologist |

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. Nelson weekly to discuss particular disease processes in detail.
PA250.06  OVERVIEW OF CLINICAL PATHOLOGY

In-Depth  Location: CS  6/12/2003

COURSE CHAIR:  
Samuel H. Pepkowitz, M.D.  (310) 423-5360

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

STUDENT COORDINATOR:
Jean Havercroft  (310) 423-8981

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

PREREQUISITES:  Medicine or Pediatrics

AVAILABLE TO EXTERNALS:  Yes

STUDENTS / PERIOD:  max 4 min 1

DURATION:  3 weeks

2003-2004 ROTATIONS BEGIN WEEKS:
12, 40

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.

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 specimens.
4. Learn to interpret peripheral blood smears.
5. Gain an introduction to the organizations of a microbiology and chemistry laboratory.

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

INPATIENT:  100%
OUTPATIENT:  0%
CONSULTATION:  100%
PRIMARY CARE:  0%
CLOSE CONTACT WITH:
FULL TIME FACULTY
CLINICAL FACULTY
FELLOWS
RESIDENTS
INTERNS
OTHER

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

TYPICAL WEEKLY SCHEDULE

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<tr>
<td>AM</td>
<td>9:30 Intro to Labs 10:30 Basic Lab Statistics 12:00 Pathology Grand Rounds</td>
<td>8:00 Clinical Chemistry Laboratory; Major Analysis 10:00 Seminar: Discussion of Procedures</td>
<td>8:00 Enzyme Analysis Laboratory 10:00 Toxicology Lab</td>
<td>8:00 Autopsy Conference 9:00 Microbiology Lab</td>
<td>8:00 Mycobacteriology 10:00 Mycology and Parasitology</td>
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<tr>
<td>PM</td>
<td>2:30 Principles of Instrumentation 4:00 How the Laboratory Costs Are Determined</td>
<td>1:00 Case Studies 2:30 Introduction to Enzymology 4:00 Introduction to Toxicology</td>
<td>1:00 Case Studies 2:30 Introduction to Microbiology 4:00 Principles of Microbiology Instrumentation</td>
<td>1:00 Case Studies 2:30 Introduction to Virology 4:00 Introduction to Mycology</td>
<td>1:00 Case Studies 2:30 Introduction to Hematology 4:00 Principles of Hematology Instrumentation</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES:

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS:
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.

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.

STUDENT EXPERIENCES

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
8. 

INPATIENT: 100%
OUTPATIENT: 0%
CONSULTATION: 100%
PRIMARY CARE: 0%
CLOSE CONTACT WITH:
X FULL TIME FACULTY
X CLINICAL FACULTY
X FELLOWS
X RESIDENTS
X INTERNS
OTHER

APPROXIMATE # OF PATIENTS EVALUATED EACH MONTH/STUDENT: 10
TOTAL # OF PATIENTS EVALUATED EACH MONTH BY ENTIRE SERVICE: 18

TYPICAL WEEKLY SCHEDULE

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<tbody>
<tr>
<td>AM</td>
<td>8:30 – 9:30 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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<tr>
<td></td>
<td>Case Work</td>
<td>10:00 Neuropathology Rounds</td>
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<td>11:00 Brain Cutting</td>
<td>1:00 - 2:00 Neuropathology Session</td>
<td>3:00 - 4:00 Special Brain Cutting</td>
<td>1:00 Peds Cardiology (First Friday)</td>
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ON-CALL SCHEDULE & WEEKEND ACTIVITIES: None

ADDITIONAL COMMENTS AND OTHER SPECIAL REQUIREMENTS: