

**PATH 810Df - Anatomic/Clinical Pathology (St. Joseph's Hospital and Medical Center, Phoenix)****J. Oliver & W. Anderson (Sandra Edwards (ph) 602 406 3382 (fax) 602 406 7188 sandra.edwards@chw.edu)**

4 wks only; not offered in July

Not directly supervised/Patient care.

Prior approval.

Maximum enrollment of 1

Prerequisites: Completion of basic sciences

**Goals:** The Anatomic/Clinical Pathology elective at St. Joseph's Hospital offers the medical student an exposure to various pathology disciplines in a tertiary care pathology practice. Elective time is usually split between anatomic and clinical divisions including clinical chemistry, microbiology, hematology, blood bank, surgical pathology, cytology and autopsy pathology. Gross examination and in-patient and out-patient frozen section experience are highlighted. Molecular biology and cytogenetic laboratories are recent additions to the curriculum.

**Format:** This elective may be individualized to suit the student's needs with prior agreement between the student, St. Joseph's faculty and The University of Arizona Departmental Electives Coordinator.

**Evaluation Methods:** Direct observation by faculty physicians and housestaff with written evaluations discussed with the medical student. The medical student evaluates the faculty, housestaff and rotation experience.

**PATH 816Dg - Pediatric Anatomic and Clinical Pathology (Phoenix Children's Hospital, Phoenix) P.S. Dickman & D. Carpentieri (Paul S. Dickman (ph) 602 546-1286 (fax) 602-546-1284; pdickman@phoenixchildrens.com)**

4 wks, maximum of 8 wks; offered year round

Not directly supervised/Patient care.

Prior approval.

Maximum enrollment of 1

Prerequisites: Completion of third year clerkships

**Goals:** The elective in pediatric anatomic and clinical pathology offers the senior medical student in-depth exposure to pediatric surgical pathology, cytopathology, and autopsy pathology. Various aspects of the clinical laboratory may be experienced, including hematopathology, microbiology, transfusion medicine, and clinical chemistry. Students will directly participate in gross and microscopic surgical pathology, intraoperative consultations, gross and microscopic autopsy examination, and microscopic examination and flow cytometry of bone marrow. At the end of the elective the student will understand the activities involved in pediatric pathology and will have gained a basic knowledge of diagnostic pediatric anatomic pathology.

**Format:** Students observe procedures and tests, interpretation, and interaction with pediatric clinicians. Clinical conference attendance is required, including pediatric oncology tumor board, brain tumor conference, and gastroenterology conference. Students are expected to read relevant published material related to cases and specimens encountered in the laboratory.

**Evaluation methods:** Students are evaluated by staff pathologists familiar with their performance and activities, and are asked to write a description of a case encountered in the course of the elective. Students evaluate the pathologists and rotation experience.

*crosslisted with PED 816Dg*

**PATH 891Cf - Barrow Neurological Institute - Neuropathology (St. Joseph's Hospital and Medical Center, Phoenix) S. Coons (Sandra Edwards (ph) 602 406 3382 (fax) 602 406 7188 ; sandra.edwards@chw.edu)**

4 wks only; offered year round Not directly supervised/Patient care.

Prior approval.

Maximum enrollment of 1

Prerequisites: Completion of basic sciences

**Goals:** BNI is one of the busiest clinical neuropathology laboratories of its kind. The medical student will be exposed to a variety of neurosurgical specimens as well as diagnostic nerve and muscle biopsies, evaluating these specimens at the gross and microscopic levels one to one with the neuropathology faculty.

**Format:** The student will have available a variety of conferences given in the hospital such as Neurology, Neurosurgery and Pathology conferences. Microscopic slide sets matched to assigned readings in a Neuropathology text and a CD-ROM atlas developed at the BNI will be offered. The student will be encouraged to expand his/her knowledge in neuroanatomy, which includes skull base and gross brain at autopsy, whole brain myelin stained preparations and microscopic neuroanatomy.

**Evaluation Methods:** Direct observation by faculty physicians and housestaff with written evaluations discussed with the medical student. The medical student evaluates the faculty, housestaff and rotation experience.

**PATH 896Ap - Forensic Pathology M. Fischione, A. Butel, A. Bucholtz, A. Chen, D. Karluk, E. Davenport, J. Johnson, K. Horn, J. Hu, R. Lyon, V. Shvarts, W. Stano (Claudia Smith (ph) 602-506-8549 (fax) 602 506-1546; herbertc@mail.maricopa.gov)**

3 or 4 wks; maximum length of 4 wks; offered year round

Directly supervised/Non-patient care.

Maximum enrollment of 1.

Prerequisites: PATH 801

**Goals:** Forensic Pathology will emphasize the following:

1. An overview of the principles and concepts of the forensic sciences.
2. A consideration of the multidisciplinary aspects of the relationship between medicine, science, law and law enforcement.
3. Background knowledge for an understanding of the kinetics of injury and application of this knowledge in evaluating and interpreting patient inquiries.
4. Study of precise medicolegal terminology and scientific laboratory techniques.

**Format:** This course will consist of lectures, demonstrations and audiovisual presentations. Additionally, the student may participate in a medicolegal investigation and autopsy under supervision of the faculty. The text *Medicolegal Investigation of Death: Guidelines for the Application of Pathology to Crime Investigation*, Spitz and Fisher, 3rd edition, Publisher: Charles C Thomas Pub Ltd, 1993, (ISBN: 0398058180) will be used.

**Evaluation Methods:** Students will be evaluated on how well they achieve understanding and mastery of the stated goals. Quality of performance will be evaluated by the supervisory faculty.

**Students must bring their own personal protection equipment (PPE's) or they will not be allowed to enter the autopsy suite. These PPE's must include gown, booties, hair cover, gloves, safety glasses and a N-95 face mask. If you are unable to obtain the N-95 face mask we will be able to supply you until you can purchase them from a vendor**