

PATHOLOGY

Elective Clerkships

Department website: <http://www.pathology.washington.edu/academics/medstudent/clerkship/>

PATH 680 P – Diagnostic Pathology Clerkship – University of Washington Medical Center (*, max 24)

Offered:	AWSpS; 4/6 weeks.
Prerequisite:	HuBio series (required). At least six months of third-year clerkships including medicine, surgery and/or pediatrics is required (any less than this requires approval from one of the clerkship directors)
Total Enrollment:	2 students per rotation (a third position may occasionally be available. Please contact clerkship director for additional information and permission to enroll).
Faculty Directors:	Diana Jordan, MD, 206-598-2037, cdjordan@u.washington.edu Kim Allison, MD, 206-598-2918, kallison@u.washington.edu
Administrative Contact:	Tabitha Fletcher, 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	University of Washington Medical Center (UWMC)

Goals and Objectives:

- Students will be able to handle tissue specimens in a safe and responsible manner including:
 - Demonstrate universal precautions with handling patient specimens,
 - Interact respectfully with laboratory staff and being cognizant of workflow,
 - Know and perform proper specimen identification procedures,
 - Demonstrate clinical judgment in handling specimens and medical information.
- Engage in the entire process and workflow of tissue diagnosis, from accession to sign-out:
 - Demonstrate use of information technology throughout pathology processes,
 - Describe indications for intraoperative consultation (frozen section),
 - In conjunction with a resident and attending pathologist, examine a specimen in the frozen section room, select tissue for frozen section, and create a frozen section slide for histologic examination,
 - Prepare biopsy and surgical excisional samples for histologic examination,
 - Demonstrate knowledge of gross anatomy and microanatomy (histology),
 - Know the rationale for sampling of surgical specimens for histologic (and other forms of diagnostic) examination,
 - Utilize web and test based information to assist in grossing of specimens, generation of pathology reports, and diagnosis,
 - Demonstrate skill in microscope technique and examination of histologic material,
 - Prepare pathology reports for sign-out with attending pathologists,
 - Describe and clearly communicate histologic findings and clinical features of specific cases during sign-out with residents and the attending pathologist,
 - Describe the use of ancillary techniques (ie, immunohistochemistry, in-situ hybridization, fluorescent microscopy and electron microscopy) in pathologic diagnosis,
 - Demonstrate the importance of clinicopathologic correlation in diagnosis and case management.
- Perform an autopsy (with the assistance of Pathology Resident and Attending Pathologist), including:
 - Review of medical record,
 - Gross dissection,
 - Preparation of tissue for histology, microbiology and other analyses as required.
 - Review of histologic material,
 - Presentation of all pertinent information to the attending pathologist for case sign-out.
 - Completion of final autopsy report.
- Appreciate the importance of:

- Value of concise and accurate presentation of diagnostic information in multidisciplinary and case management conferences,
- Use of information technology in the management, storage and reporting of demographic and diagnostic data,
- Ramifications of HIPAA privacy rules in the use of patient information in pathology practice.

Schedule:

Students on rotation are expected to be active participants in the autopsy service and surgical pathology rotations. Schedules are variable, and depend on autopsy caseload and daily surgical pathology activities. Students will be given a course guide and conference schedule on the first day of the rotation.

Conferences:

Students will be expected to attend the following teaching conferences:

1. Resident didactic sessions Tuesday 7:30 – 9:30 am (NE110K).
2. Autopsy Review Conference Wednesday 1:30-2:30 pm (BB250).
3. Brain Cutting Conference Thursday 12:00 – 1:30 pm (BB250).
4. All clinical autopsy conferences (schedule provided clerkship day 1).
5. Surgical Pathology “Blue Box” Friday 12:30-1:30 pm (unknown conference, NE110K).
6. Gynecology-Oncology Conference Friday 8:00-9:00 am (NE110K).
7. Participation in other department teaching and multidisciplinary conferences is strongly recommended (schedule provided clerkship day 1).

Readings/Text:

Robbins Pathologic Diagnosis of Disease, 6th Edition.

Surgical Pathology Guidelines (on-line access information provided clerkship day 1).

Selected didactic material provided clerkship day 1.

Review of basic histology prior to clerkship day 1 is recommended.

Evaluation:

1. By student (upon completion of the rotation).
2. By faculty (Evaluation of Student Performance in the Clinical Curriculum).

PATH 681 P-Diagnostic Pathology Clerkship, Harborview Medical Center (*, max 24)

Offered:	AWSpS; 4/6 weeks (6 weeks optional)
Prerequisite:	Third- and fourth-year medical students.
Total Enrollment:	1 student per rotation.
Faculty Contact:	Heike Deubner, MD, 206-731-4274, hdeubner@u.washington.edu
Administrative Contact:	Tabitha Fletcher, 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	Harborview Medical Center

Participation in dissection and study of autopsy and surgical pathology cases. Student will work up cases under senior staff including dissection, microscopic examination and literature review. Attendance at pathology conferences and seminars is expected.

PATH 682 P-Diagnostic Pathology Clerkship, Veteran’s Administration Hospital (* max 24)

Offered:	AWSp; 4/6 weeks.
Prerequisite:	Third- and fourth-year students.
Total Enrollment:	2 students per rotation.
Faculty Contact:	David Thorning, MD, 206-764-2394, david.thorning@va.gov
Administrative Contact:	Tabitha Fletcher, 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	Veterans’ Affairs Medical Center - Seattle

Goals:

The Anatomic Pathology Service provides diagnostic care for patients who have a wide range of medical disorders. It uses various methods (e.g., gross observations, light microscopy, immunohistochemistry, and electron microscopy) to examine specimens removed from living and deceased patients, then integrates the results of examinations with the knowledge of patient problems and basic human biology to better understand disease processes. Students on this rotation are exposed to all facets of our diagnostic methods, and are expected, in conjunction with a staff pathologist, to take some responsibility for the conduct of several autopsy examinations, if available.

Objectives:

Each student will be expected to:

- Add to his/her general knowledge of human biology and understanding of basic disease processes,
- Use the light microscope for recognizing normal tissue structure, recognizing certain structural expressions of disease processes, and appreciating both the values and limitations of these diagnostic methods,
- Weigh and consider the significance of pertinent observations, then transpose the results into practical solutions for specific patient problems,
- Gain experience in preparing thoughtful, accurate, succinct, and timely reports. The rotation is meant to be a fun, as well as an educational, experience.

PATH 683 P-Diagnostic Pathology Clerkship, Medical Examiner's Office (*, max 24)

Offered:	AWSpS; 4/6 weeks.
Prerequisite:	For third- and fourth-year students.
Total Enrollment:	2 students per rotation.
Faculty Contact:	Richard Harruff, MD; 206-731-2886, Richard.Harruff@kingcounty.gov
Administrative Contact:	Tabitha Fletcher, 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	King County Medical Examiner's Office

Goals:

The King County Medical Examiner's Office has the responsibility for the investigation and certification of all sudden and unexpected deaths and deaths due to injury which occur in King County. The office is located at Harborview Medical Center and includes four forensic pathologists, a fellow in forensic pathology, a forensic anthropologist, and a staff of trained medical investigators, autopsy and pathology assistants, and administrative support personnel.

Objectives:

The medical student clerk will be able to participate in the activities of the Office to the degree that his/her abilities and interest allow. This may include observation of autopsies, performance (in part or in full) of autopsies, observation of scene investigation, and accompanying the pathologists to court. The autopsy material comprises a broad spectrum of pathology, including natural diseases and injuries of all sorts. All activities will be carried on under close staff supervision. In addition, during the rotation the clerk will be expected to present an informal seminar of his/her own choosing on a topic related to forensic pathology.

PATH 687 P-Diagnostic Pathology Clerkship, Children's Hospital & Regional Medical Center (*, max 24)

Offered:	AWSpS; 4-6 weeks.
Prerequisite:	Fourth-year students.
Total Enrollment:	1 student per rotation.
Faculty Contact:	Kathleen Patterson, MD, 206-987-2595, kathy.patterson@seattlechildrens.org
Administrative Contact:	Tabitha Fletcher, 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	CHRCM

The pediatric pathology clerkship at CHRMC is expressly intended for students seriously interested in a career in pediatrics, or pediatric pathology. Students have the opportunity to study a variety of pediatric diseases. Students may also use this time to initiate a clinical research project. There is ample time to attend departmental and hospital conferences.

PATH 688 P-Diagnostic Pathology Clerkship, Madigan Army Medical Center (*, max 24)

Offered:	AWSpS; Variable-2/4/6/8 weeks
Prerequisite:	Third- through fourth-year students.
Total Enrollment:	1 student per rotation.
Faculty Contact:	Anne L. Champeaux, MD (MAJ MC), 253-968-1920, anne.champeaux@us.army.mil
Administrative Contact:	Tabitha Fletcher, 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	Madigan Army Medical Center, Tacoma

The clerkship is to provide an introduction to the practice of pathology in a general hospital. The standard rotation places the clerk with residents in surgical and possibly autopsy pathology. The clerk first observes and then takes part in the actual examination, description, dissection, and diagnosis of surgical tissues. If available during the clerkship, the clerk should complete at least one full autopsy under supervision. Full attendance at all academic conferences, slide conferences, clinical pathology conferences, and other departmental teaching conferences is expected. Clerks present surgical specimen findings, prepare for conferences, and will be called upon to give opinions and participate in all discussions. Reading and an inquisitive nature are required to maximize the value of the rotation. All of this is accomplished in a cordial atmosphere with hands-on guidance. Most clerks will spend 3-5 days on Clinical Pathology to provide exposure to other areas of Pathology, such as hematology, transfusion medicine, clinical chemistry and microbiology. The length of the rotation may be altered.

PATH 690 P-Diagnostic Pathology Clerkship, Northwest Medical Center (*, max 24)

Offered:	AWSpS; 4/6 weeks.
Prerequisite:	Third- and fourth-year students.
Total Enrollment:	1 student per rotation.
Faculty Contact:	Richard Patton, MD, 206-368-1779, email?
Administrative Contact:	Tabitha Fletcher, 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	Northwest Hospital, Shoreline/Seattle

The clerkship is to provide an introduction to the practice of pathology in a general hospital. The standard rotation places the clerk with residents in surgical and possibly autopsy pathology. The clerk first observes and then takes part in the actual examination, description, dissection, and diagnosis of surgical tissues. If available during the clerkship, the clerk should complete at least one full autopsy under supervision. Full attendance at all academic conferences, slide conferences, clinical pathology conferences, and other departmental teaching conferences is expected. Clerks present surgical specimen findings, prepare for conferences, and will be called upon to give opinions and participate in all discussions. Reading and an inquisitive nature are required to maximize the value of the rotation. All of this is accomplished in a cordial atmosphere with hands-on guidance. Most clerks will spend 3-5 days on Clinical Pathology to provide exposure to other areas of Pathology, such as hematology, transfusion medicine, clinical chemistry and microbiology.

PATH 691 P-Diagnostic Pathology Clerkship, Providence Medical Center - Everett (*, max 24)

Offered:	AWSpS; 4/6 weeks.
Prerequisite:	Third- and fourth-year students.
Total Enrollment:	1 student per rotation.
Faculty Contact:	Ernest Kawamoto, MD; 425-261-3672, ehkeverett@aol.com

Administrative Contact:	Tabitha Fletcher; 206-598-8000, tabitha2@u.washington.edu
Clerkship Site:	Providence Medical Center - Everett

The clerkship is to provide an introduction to the practice of pathology in a general hospital. The standard rotation places the clerk with residents in surgical and possibly autopsy pathology. The clerk first observes and then takes part in the actual examination, description, dissection, and diagnosis of surgical tissues. If available during the clerkship, the clerk should complete at least one full autopsy under supervision. Full attendance at all academic conferences, slide conferences, clinical pathology conferences, and other departmental teaching conferences is expected. Clerks present surgical specimen findings, prepare for conferences, and will be called upon to give opinions and participate in all discussions. Reading and an inquisitive nature are required to maximize the value of the rotation. All of this is accomplished in a cordial atmosphere with hands-on guidance. Most clerks will spend 3-5 days on Clinical Pathology to provide exposure to other areas of Pathology, such as hematology, transfusion medicine, clinical chemistry and microbiology.

PATH 697 P-Pathology Special Electives (*, max 24)

Offered:	
Prerequisite:	Permission of department+ 2 month application process.
Total Enrollment:	Variable.
Faculty Contact:	Variable.
Administrative Contact:	Tabitha Fletcher; 206-598-8000, tabitha2@u.washington.edu

By specific arrangement for qualified students, special clerkships or ‘away clerkships’ may be available at institutions other than the University of Washington. Interested students should submit a "Credit for Away Clerkship" form available from the UWSOM Dean's Office Registrar and complete for departmental approval at least two months before advance registration.

Evaluations:

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

PATH 699 P- WWAMI Pathology Special Electives (*, max 24)

Offered:	AWSpS; 4/6 weeks full-time.
Prerequisite:	Permission of department + 2 month application process.
Total Enrollment:	Variable.
Faculty Contact:	Variable.
Administrative Contact:	Tabitha Fletcher; 206-598-8000, tabitha2@u.washington.edu

By specific arrangement for qualified students, special clerkships or ‘away clerkships’ may be available at institutions other than the University of Washington located within the WWAMI region. Interested students should obtain a “Credit for Away Clerkship in WWAMI” form available from the UWSOM Dean’s Office Registrar and complete for departmental approval at least two months before advance registration.

Evaluations:

Departmental evaluations are required to be completed by faculty and student prior to receiving a grade.

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