

DEPARTMENT OF PATHOLOGY

Anatomic Pathology at UNMH

Course Number	CLNS 872		Duration	4 weeks
Credit Type	<input checked="" type="checkbox"/> Clinical Elective	<input type="checkbox"/> Non-Clinical Elective	<input type="checkbox"/> Sub-Internship	<input type="checkbox"/> ICU
Available Blocks	<input checked="" type="checkbox"/> 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input checked="" type="checkbox"/> 6 <input checked="" type="checkbox"/> 7 <input checked="" type="checkbox"/> 8 <input type="checkbox"/> 9 <input checked="" type="checkbox"/> 10 <input checked="" type="checkbox"/> 11 <input checked="" type="checkbox"/> 12 <input checked="" type="checkbox"/> 13 <input checked="" type="checkbox"/> 14			
# of Students per Rotation	<input checked="" type="checkbox"/> One	<input type="checkbox"/> Two	<input type="checkbox"/> Other:	
Faculty Evaluator(s)	Samuel Reynolds, MD			
Prerequisites	<input checked="" type="checkbox"/> All Phase II Clerkships	<input type="checkbox"/> Department specific clerkship/rotation:	<input type="checkbox"/> Other:	
Visiting Students Accepted	<input checked="" type="checkbox"/> Domestic MD	<input checked="" type="checkbox"/> Domestic DO	<input type="checkbox"/> International	<input type="checkbox"/> None
Accept Students Off-Cycle	<input type="checkbox"/> Yes – with department permission	<input checked="" type="checkbox"/> No		
Add/Drop Policy	ADD: 45 days	DROP: 45 days	Other:	
Clerkship Contact(s)	Teresa Quintana	tquintana@salud.unm.edu	505-272-0590	

Goals and Unique Aspects:

The Medical Student Anatomic Pathology Rotation exposes students to the two core disciplines of UNMH Anatomic Pathology: surgical pathology and cytopathology. Time spent on this rotation will be evenly distributed between these two specialties. In Surgical Pathology, training will begin in the UNMH Gross Room, where students will participate in the triage/dissection of surgical specimens, as well as observe real-time, intraoperative consultations (including frozen sections). Students will then experience the continuity of seeing these specimens via glass slides the next day, where they will join Pathology residents in "preview" sessions, formulating preliminary diagnoses prior to the final case signout with Pathology attending at the multi-head teaching microscope. In Cytopathology, students will follow a similar preview/signout cycle of cytology cases with residents/attending. In addition, students will accompany our residents and attendings while we perform our own fine needle aspiration biopsies on patients, including a subset of cases in which we perform ultrasound-guided biopsies. Finally, students will attend any scheduled multi-disciplinary tumor boards and Pathology resident didactic sessions. By the end of their four weeks, students will have obtained a thorough understanding of the vital diagnostic and consultative role that anatomic pathologists play in our hospital system.

Objectives:

1. Identify common indications for intraoperative frozen section evaluation of surgical specimens.
2. Recognize the role of the surgical pathologist in triaging surgical specimens for ancillary studies such as cytogenetics, flow cytometry, and microbial cultures.
3. Perform gross dissections of simple surgical specimens (e.g., appendices, gallbladders) with direct faculty supervision.
4. Develop differential diagnoses for surgical pathology and cytopathology cases during slide preview sessions.
5. Define the cytologic features of low grade and high grade dysplasia, as seen in the routine Pap test.
6. Explain the core cytologic features that are suggestive of malignancy.
7. Perform a successful ultrasound-guided fine needle aspiration biopsy using the Phantom training device.
8. Indicate potential sites for a primary malignancy, based on the pattern of cytokeratin 7 and 20 expression of a metastatic tumor focus.

Responsibilities:

Prior to days spent in the UNMH Gross room, students will be expected to review patient histories for upcoming surgeries. Gross room time will be spent observing dissections and processing simple specimens under direct supervision. During surgical pathology/cytopathology glass slide preview, students will be expected to preview a small subset of cases and, using histologic features and the electronic medical record, generate preliminary diagnoses and/or differential diagnoses for their cases. During case signout with the attending, students will be expected to discuss their findings and convey their diagnostic impression and reasoning. Students on the cytopathology service will also be expected to accompany Pathology faculty on fine needle aspiration biopsies. On Thursday mornings, students will be responsible for attending Pathology resident didactic sessions.

Supervision and Teaching:

In the UNMH Gross Room (surgical pathology), students will be under the direct supervision of Pathology attendings or Pathologist Assistants during any handling of surgical specimens. Students will not directly perform or handle specimens for intraoperative consultations. Glass slide preview of surgical/cytology cases is not supervised, although residents/attendings will be available for immediate consultation. Case signout of surgical/cytology cases is supervised/performed by Pathology attendings. On the cytopathology service, students will be under the direct supervision of Pathology residents or Pathology attendings during the handling of cytology specimens. Students will not perform fine needle aspiration biopsies on live patients.

Evaluation:

1. Participation and performance during the Surgical Pathology case review and sign-out process, as assessed by the attending faculty (40% of final grade).
2. Participation and performance during the Cytopathology case review and sign-out process, as assessed by the attending faculty (40% of final grade).
3. Performance in the supervised dissection of simple surgical pathology specimen, and the concurrent submission of a thorough and accurate gross dictation for the cases (10% of final grade).
4. Performance of a successful practice, ultrasound-guided fine needle aspiration biopsy using the Phantom apparatus (10% of final grade).

Additional Information:

Students will have full access to the resident library of Pathology textbooks for the duration of their rotation. In addition, they will be assigned specific readings based on the cases encountered during daily workflow.