

<b>Faculty Director:</b>	MHH AP: Dr A. Tchakarov, MHH CP: Dr. H. Tint, LBJ AP/CP: Dr. N. Tandon
<b>Participating Faculty:</b>	Anatomical Pathology: Drs. G. Ayala, L. Ballester, M. Bhattacharjee, L.M. Buja, J. Buryanek, Z. Cai, M. Covinsky, R. Ghorbani, R. Hunter, J. Liu, K. Saluja, N. Tatevian, A. Tchakarov, J. Thomas, M. Younes, S. Zhang, B. Zhao, H. Zhu, N. Tandon, H. Sun Clinical Pathology: Drs. A. Nguyen, A. Wahed, L. Chen, A. Dasgupta, A. Wanger, V. Chavez, Y. Bai, H. Tint, L. Lelenwa, J. Baalwa, K. Eldin, Z. Hu, X. I. Wang
<b>Location:</b>	Memorial Hermann Hospital Surgical Pathology and Morgue, LBJ Hospital Surgical Pathology Memorial Hermann Hospital Clinical Laboratories, LBJ Hospital Clinical Laboratory
<b>Prerequisites:</b>	None
<b>Streams Offered:</b>	All Streams
<b>Max. # Students/3-week Period:</b>	2

### Course Objective

#### Material Covered:

This third-year elective will introduce students to the field of anatomic and clinical pathology. This elective will focus on general gross pathology as well as on the organization of a pathology service and pathological-clinical interaction.

Specific learning objectives for this third-year elective are as follows:

By the end of this elective, the student will be able to:

- Describe the function of the Division of Pathology of the hospital laboratory and its role in medical care
- Assist faculty and residents with autopsies; discuss cases
- Describe the procedures in surgical pathology (i.e., the gross description, dissection, and sectioning of specimens, including frozen sections)
- List the steps involved in the processing of tissue submitted for histopathologic examination (i.e., from tissue block to stained slide)
- Become familiar with the various areas of clinical pathology and the role of each in medical care

Students will attend the regularly scheduled didactic and clinical case conferences, from 1-2 hours daily. Students will spend the majority of the rotation at MHH hospital, with the option of spending a portion of the rotation at LBJ based on the preference of the student. They will concentrate on anatomic pathology for two weeks and clinical pathology for one week. While on Anatomic Pathology the student will rotate through the gross room and frozen section service, cytopathology, autopsy service, and surgical pathology subspecialty services. The introduction to Clinical Pathology will specifically include hematopathology, blood bank, as well as other aspects of clinical pathology.

Students will be expected to participate in clinical activities M-F, 8-5 pm, including daily 8am didactic conferences

Students will not take call or work weekends.

Rotation schedule will be provided at the start of the rotation.

Students will demonstrate attainment of the above objectives through attendance and participation in didactic conferences and attendance at clinical assignments and participation in clinical activities.

### Activities Of Elective

**Number Of New Patients/Student/Week:** N/A

#### Responsibilities Of Student For Assigned Patients:

Does history/physical:	No
Who critiques:	Attending and resident
Follows patients, with appropriate notes as needed:	Follows surgical pathology or other cases
Who supervises:	Attending and resident
Does student see ambulatory patients:	No

Procedures	Observe	Perform
Autopsy	Yes	No
Gross dissection of surgical specimens	Yes	No**
Frozen section and interpretation of surgical specimens	Yes	No
Fine needle aspiration biopsy	Yes	No

\*\*If the student wishes, she or he may be allowed to gross small specimens under immediate supervision of a resident, attending, or pathologist's assistant.

**Scheduled Duties of Student:**

Frequency of rounds on patients	Sign-out daily
Presents patients to preceptor or attending physician	Presents patient histories related to surgical cases or autopsies
Weekly schedule of required teaching sessions	Daily

**Other Required Activities:**

Reading/review of current literature	Yes
Presentation	No

**How Is Student Evaluated:**

This elective is pass/fail. Students will be evaluated by faculty based on their attendance and participation in didactic sessions and attendance at clinical assignments and participation in clinical activities. The students are evaluated based on the demonstration of their accomplishment of the objectives. Mid-rotation verbal feedback is required for all students.