

Course: Neuropathology Elective Course Number PATH-2110

Academic Group: Medical School

Department: Pathology

Faculty Coordinator: Charles L. White, III, M.D.

Asst. Fac. Coordinators: Chunyu Cai, M.D., Ph.D., Elena Daoud, M.D., Ph.D.

Periods Offered: 1 - 12

Session:

Length: 4 weeks

Credit hours: (1 credit/2weeks of elective time) 2

Max # of Students: 1

Grading: Pass/Fail

Repeat for Credit: NO

Allow multiple enroll in term: NO

Special consent to enroll: N

If Yes, Departmental: Y/N

Instructor: Y/N

Final exam: N

Method of delivery:

First Day Contact: Niccole Williams

First Contact Time: 8:30 a.m.

First Day Location: H2.130

I. **Prerequisites:** (MS3, MS4 students only)

II. Course Description

Goals (<i>examples-edit as needed</i>)	Objectives (<i>describe activities that will support how goals are to be achieved</i>)	Assessment methods (<i>examples-explain how student will be evaluated</i>)
Patient Care: Assessment and Management <ul style="list-style-type: none">The student will learn about the diagnostic procedures used in the analysis of neuropathologic	<ul style="list-style-type: none">The student will become familiar with procedures for consulting neuropathology, particularly for specimens requiring special handling.	<ul style="list-style-type: none">Attendance at and participation in clinical conferences, and performance on a case presentation

Elective template

specimens for the delivery of patient care, how these specimens should be submitted for evaluation, and how they are prepared and analyzed in the laboratory.	<ul style="list-style-type: none"> The student will become familiar with the importance of proper communication in ensuring optimal diagnostic results. 	<p>during the rotation <i>Quality of Medical Records entries</i></p> <ul style="list-style-type: none"> <i>Skills evaluation from direct observation by faculty and staff</i>
<p>Medical knowledge:</p> <ul style="list-style-type: none"> <i>The Student will be able to describe the gross and microscopic features of common neuropathologic conditions...</i> <i>The student will be able to explain the relationship of neuropathologic features to clinical and radiographic manifestations of neurologic disorders</i> 	<ul style="list-style-type: none"> The student will be able to discuss the pathological evaluation of neurosurgical biopsies, neuromuscular biopsies and conditions encountered in postmortem brains, including: primary and metastatic CNS neoplasms; CNS infections; immune-mediated myopathies; muscular dystrophies; denervating processes; and Alzheimer disease and other neurodegenerative disorders. 	<ul style="list-style-type: none"> The student will be evaluated on participation in twice-weekly neuropathology case review conferences, weekly interdisciplinary neuromuscular biopsy conferences, weekly tumor board conferences, monthly journal club, and weekly braincutting conferences at UT Southwestern affiliated hospitals and the Dallas County Medical Examiner's office
<p>Interpersonal and Communication skills:</p> <ul style="list-style-type: none"> The student will learn the importance of proper communication between neuropathologists and physicians who submit diagnostic material to neuropathologists, and will learn to effectively communicate with colleagues and patients about clinical cases The student will learn to effectively communicate with laboratory staff who process specimens for diagnostic evaluation. 	<ul style="list-style-type: none"> The student will attend clinical conferences and will be asked to participate in the discussion of cases at those conferences The student will interact with laboratory staff to communicate information that will be necessary for proper specimen preparation for diagnosis 	<ul style="list-style-type: none"> <i>Observations by faculty and staff</i>
Practice Based learning and Improvement:	Students will use the medical literature and online resources to	<ul style="list-style-type: none"> <i>Presentation of a relevant article from a scientific journal for</i>

Elective template

<i>Students will demonstrate the ability to assimilate scientific evidence and improve patient care practices.</i>	increase their understanding of the pathophysiology of neurologic disorders and their pathologic manifestations	<i>monthly Neuropathology Journal Club</i>
Professionalism: <i>Students must demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, sensitivity to a diverse patient population, and the importance of effective communication between pathologists and clinical colleagues</i>	<ul style="list-style-type: none"> • The student will be punctual and complete all required work. • The student will demonstrate respect and compassion for others. • The student will demonstrate respect for patient privacy and autonomy. 	<i>Observations by faculty and staff</i>
Systems based practice: <ol style="list-style-type: none"> 1. <i>The student will explain how neuropathology fits into the larger system of health care.</i> 2. <i>The student will work with the team to optimize use of system resources</i> 	Student will participate in discussions of optimal laboratory test selection to evaluate differential diagnostic options	<i>Observations by faculty and staff</i>

III. Methods of Instruction:

- A. Didactic: Small group didactic lectures by faculty; online teaching resources developed by Neuropathology; reading assignments in relevant texts or journals
- B. Clinical: attendance at and participation in case conferences and intraoperative frozen section evaluations

IV. Overview of student responsibilities

Regular attendance at and active participation in clinical diagnostic and teaching activities of Neuropathology, under faculty or staff supervision.

IV. Method of evaluation of students and requirements: Evaluation based on assessment methods listed above, grade is Pass/Fail