

Title of Clerkship: **Pathology Clerkship UTMC**

Elective Year: 4th Year

Department: Pathology

Type of Elective: Clinical x Non-Clinical/Research Basic Science

Clerkship Site: The University of Toledo Medical Center

Course Number: PATH 720

Blocks Available: All

Number of Students/ Block: 15

Faculty: Robert Booth, MD, Nicole Dominiak, MD, Cara Gatto-Weis, MD, Amira Gohara, MD, William Gunning, PhD, Brooke Koltz, MD, Mary R. Smith, MD, Lauren Stanoszek, MD, PhD

Elective Description/ Requirements: Students will participate in all anatomic and clinical activities in the Department of Pathology including surgical pathology, cytology, hematology, chemistry, immunology, microbiology, molecular pathology, genomics & transplant immunology, and attend all departmental conferences and lectures provided during the rotation. Attend a postmortem examination and gross conferences related to cases. Attend various interdisciplinary conferences as assigned.

Length of Clerkship: 4 weeks

Links to Core Competencies: Educational Course Objectives:

MK-1	1. Knowledge of the normal structure and function of all organ systems
MK-2	2. Knowledge of the molecular, biochemical and cellular mechanisms related to normal and abnormal function
MK-3	3. Knowledge of underlying causes of common disorders and their pathogenesis
MK-4	4. Knowledge of altered structure and function (pathology and pathophysiology) associated with various diseases
MK-5	5. Knowledge of clinical manifestations of common diseases
MK-7	6. Knowledge of scientific principles required to practice evidence-based medicine
MK-9	7. Knowledge of ethical principles that govern decision making in medicine
MK-10	8. Knowledge of normal and abnormal human behavior
MK-11	9. Knowledge of the manner in which people of diverse cultures and belief systems perceive health/illness and respond to symptoms, diseases and related treatments
MK-12	10. Knowledge of the non-biological determinants of health and the economic, psychological, social and cultural factors that contribute to health and disease
MK-13	11. Knowledge of gender, cultural and other biases that impact delivery of health care
MK-14	12. Knowledge of fundamentals of medical professionalism
MK-15	13. Knowledge of fundamental principles of preventive medicine and population/public health
MK-16	14. Knowledge of fundamental principles of patient centered and team based care, patient safety as well as quality improvement in health care delivery
PC-1	15. The ability to obtain an accurate, relevant focused history that covers all essential aspects of the history
PC-3	16. The ability to conduct accurate, relevant focused history and physical in appropriate clinical situations
PC-7	17. The ability to use knowledge of the most frequent clinical, laboratory, radiographic and pathological manifestations to interpret the results of commonly used diagnostic procedures
PC-8	18. The ability to construct appropriate common diagnostic and therapeutic strategies for patients with common conditions, both acute and chronic
PC-10	19. The ability to retrieve (from electronic databases and other resources), manage, and utilize biomedical information to deliver safe and effective clinical care
PC-11	20. The ability to deliver care in interprofessional teams
PB-1	21. Ethical, responsible, reliable and dependable behavior in all aspects of their professional lives and a commitment to patients, society and the profession
PB-2	22. Honesty and integrity in all interactions with patients, families, staff, colleagues and others with whom students interact in their professional life
PB-3	23. Professionalism in dress, grooming, manner of speech and personal interactions with patients, families, staff, colleagues and others with whom students interact in their professional life
PB-4	24. Respect for the privacy and dignity of patients and their families
PB-5	25. Compassionate treatment of patients
PB-6	26. Knowledge of, and respect for other health care professionals, and of the need to collaborate with others in caring for patients as well as promoting population health
PB-7	27. Knowledge of key principles required for delivery of culturally competent care
PB-8	28. Professional maturity by appropriately managing conflicts, coping with personal and professional stress and showing flexibility in potentially ambiguous situations

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| IPC-1 | 29. The ability to communicate effectively in a timely manner, both verbally and in writing, with patients, patients' families, colleagues, and others |
| IPC-2 | 30. The ability to communicate effectively with colleagues within one's discipline as well as other health professionals in a respectful, professional and timely manner with patients, families and community at large |
| IPC-3 | 31. The ability to communicate in a culturally competent manner with patients, families and community at large |
| IPC-4 | 32. The ability to apply principles of cultural competencies to all aspects of health care delivery |
| PBL-3 | 33. The ability to incorporate all forms of feedback in identifying gaps in knowledge, skills and professionalism and implement remediation plans |
| PBL-4 | 34. The ability to utilize information technology in improving medical knowledge and delivering care to patients and populations |
| PBL-7 | 35. The ability to apply fundamentals of basic sciences to clinical problems |
| SBP-4 | 36. The ability to identify and report systems error as well as identify solutions |
| SBP-5 | 37. The ability to participate effectively in and deliver care in an interprofessional team |

Professionalism: UT/COM students will meet or exceed the institutional standards for professionalism as stated in the current Educational Program Objectives and the current Educational Course Objectives for the Sponsoring Department.

Instructional Methods:

- Small-group, Clinical skills and Didactic Sessions
- Problem-solving exercise
- Lecture
- Independent study
- Observation of and participation in surgical pathology and post-mortem examination
- Observation of and participation in fine needle aspiration and cytopathology
- Observation of technologies used in lab medicine to include but not limited to microbiology, transfusion medicine, immunology, clinical chemistry, hematology and molecular
- Case discussions and clinical pathological correlation with individual faculty
- Didactic sessions to include but not limited to neuropathology, hematopathology, molecular pathology, cytopathology and genomics.
- Review of teaching slides and discussion with faculty (scope time)

Evaluation Methods:

1. Attendance
2. Evaluation of participation in small-group discussion
3. Faculty/resident observation and assessment of clinical skills
4. Professionalism assessment

Prerequisites: Successful completion of blocks 1-7

Clerkship Director: Amira Gohara, MD

Clerkship Coordinator: Cindy Reinsel
 Phone Number: 419-383-3477
 Email: Cynthia.reinsel@utoledo.edu

Special Requirements: None

AAMC Hot Topics Clinical pathology
Addressed in this Elective Clinical problem solving/decision making
Clerkship: Communication skills
(please make selection from attached Hot Topic list) Medical Jurisprudence