University of Minnesota Lab Medicine and Pathology

Pediatric Pathology Rotation

Location: West Bank, East Building, 3rd Floor, M303
Duration: Four weeks
Rotation Director: Mark Luquette, MD (899-5051)
Other Faculty: David Berger, MD (899-6114)

General Description:
The rotation in Pediatric Pathology is designed to educate residents in all aspects of the pathology of the embryo, fetus, placenta, neonate, child, and adolescent. Special strengths of the rotation include tumor pathology, gastrointestinal and liver pathology, fetal autopsy pathology, and placental pathology.

Goals and Objectives:
Upon completion of this rotation, the resident will have developed a foundation in:

- Pediatric solid organ neoplasia, including pediatric bone and soft tissue tumors
- Transplantation pathology, primarily of the liver and GI tract
- Bowel motility disorders, including acetylcholinesterase stains for the diagnosis of Hirschsprung's disease
- Perinatal and placental pathology
- Pediatric autopsy pathology

The learning objectives below reference the corresponding ACGME core competencies: Patient Care (PC), Medical Knowledge (MK), Professionalism (Prof), Communication Skills (CS), Practice Based Learning and Improvement (PBLI), and Systems-Based Practice (SBP).

- Objective #1: Write accurate, readable, clinically useful surgical and autopsy pathology reports that demonstrate an understanding of the diagnostic process and a sensitivity to how the information in the report will be used in the care of the patient (PC, MK, Prof, CS)
- Objective #2: Show up on time to work and attend all required conferences (Prof, CS, SBP)
- Objective #3: Consult textbooks and peer-reviewed research articles as needed to ensure appropriate diagnosis and enhance learning (PC, MK)
- Objective #4: Learn how to handle pediatric and perinatal gross specimens, especially rectal biopsies for Hirschsprung’s disease, tumor biopsies (i.e., triage of limited samples), tumor resections, and placentas (PC, MK, PBLI)
- Objective #5: Learn how to perform a fetal or neonatal autopsy, with a particular focus on assessing the organs in situ for congenital anomalies (PC, MK, PBLI)
- Objective #6: Understand the role of special stains and other ancillary techniques in the diagnosis of pediatric lesions (PC, MK)
- Objective #7: Communicate appropriately with clinical colleagues, including reporting urgent preliminary findings and obtaining additional patient history as needed (PC, CS)
- Objective #8: Communicate appropriately with laboratory staff and PAs, and troubleshoot cases in a timely manner as needed (e.g., reorienting or reprocessing tissue sections, obtaining deeper levels, submitting additional sections) (PC, CS, PBLI)

Recommended Reading:
- Essentials of Surgical Pediatric Pathology and The Pediatric and Perinatal Autopsy Manual, both by Cohen and Scheimberg
- “Diseases of the Placenta,” Chapter 19 of Blaustein’s Pathology of the Female Genital Tract, 6th Ed., by Kurman et al

Optional Reading:
- Stocker and Dehner’s Pediatric Pathology, 4th Ed., by Husain et al

Call Duties: None
During the rotation, the trainee is expected to join the following conferences:

- Pediatric GI/Surgery Conference, 12-1 pm, every 2nd and 4th Thursday, East Building, 5th floor
- Pediatric Solid Tumor Conference, 12-1 pm, every 1st and 3rd Thursday, Children's Hospital, Unit 6 conference room

Other Requirements: None

Assessment methods:
Resident performance on this rotation will be assessed by:

- Direct feedback in real time
- Written evaluation at end of rotation