

Pediatric Surgery

Institution: Monroe Carell Jr Children's Hospital

Duration: 6 weeks

Supervising Physician: Dr. Bo Lovvorn

Contact Information:

Year of Training: PGY-3

Educational Objectives:

Medical Knowledge & Patient Care:

- ✓ Understanding of general principles of care of children with surgical conditions
- ✓ Understanding of differences in anatomy and physiology
- ✓ Understanding of fluid and electrolyte and nutritional management in children
- ✓ Understanding of pain control
- ✓ Understanding of pathophysiology of common surgical conditions in infants and children including pyloric stenosis, intestinal obstruction, appendicitis, foreign body of esophagus and airway, etc.
- ✓ Management of critically ill children
- ✓ Management of stable neonate
- ✓ Understanding of pathophysiology of surgical conditions in neonates and older children including esophageal arrests, congenital diaphragmatic hernia
- ✓ Hirschsprung's disease, intestinal atresia, intussusception, Wilms tumor, neuroblastoma, etc.

Patient Care Skills:

- ✓ Stabilization and assessment of pediatric trauma patient airway management in older children
- ✓ Venous access in younger children
- ✓ Interpretation of specialized radiologic studies including upper GI series, barium enema, CT scan, MRI, and Radionuclide scans
- ✓ Surgery for pyloric stenosis and inguinal hernia in infants
- ✓ Complicated appendicitis, vascular access in infants and intestinal obstruction in older children
- ✓ Conducting trauma resuscitation in children
- ✓ Greater independence with on-call duties, functioning as senior resident, both with patient assessment and in the operating room.

Systems-based Practice - Other Attributes of Resident:

- ✓ Understanding and development of a system to provide cost-efficient surgical care

Practice-based Learning & Improvement (PBLI) & Interpersonal & Communication Skills - Continuity of Care:

- ✓ Active participation in preoperative assessment involving regular attendance of the outpatient clinic, provision of inpatient and emergency room consultation
- ✓ Understanding the principles of early and late follow-up for complex surgical problems of childhood through participation in outpatient clinic
- ✓ Preoperative assessment of all patients is expected including both inpatients and outpatients

Medical Knowledge & Patient Care Milestones:

- ✓ Reiterates understanding of fluids, electrolytes, and feeding in neonates, infants, and children
- ✓ Demonstrates good examination for appendicitis
- ✓ Understands differences b/t omphalocele and gastroschisis
- ✓ Understands physiology of congenital diaphragmatic hernia
- ✓ Understands w/u & treatment of Pyloric Stenosis
- ✓ Demonstrates good knowledge of neck anatomy as it pertains to branchial cleft cysts and thyroglossal duct cysts

Practice-Based Learning and Improvement

Residents must demonstrate the ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning. Residents are expected to develop skills and habits to be able to meet the following goals:

- ✓ Write an accurate, detailed, and legible preoperative assessment and counseling note on all patients for which he/she serves as surgeon of record.
- ✓ Utilize assigned journal articles as well as available textbook chapters and information technology (including PubMed search and literature review)
- ✓ Participate in the education of patients, families, students, residents, and other health professionals.
- ✓ Incorporate formative evaluation feedback into daily practice.
- ✓ Greater responsibility in conferences, presenting both interesting cases, morbidities and mortalities, and lectures in a multi-disciplinary setting

Interpersonal and Communication Skills

- ✓ The resident should ensure that the attending is aware of the progress of all patients on the service.
- ✓ The resident should clearly, accurately, and respectfully communicate with nurses and other Hospital employees.
- ✓ The resident should clearly, accurately, and respectfully communicate with referring and consulting physicians, including residents.
- ✓ The resident should clearly, accurately, and respectfully communicate with patients and appropriate members with their families about identified disease processes (including complications), the expected courses, operative findings, and operative procedures.
- ✓ The resident should ensure that clear, concise, accurate, and timely medical records are maintained on all patients.
- ✓ The resident should be able to clearly and accurately teach medical students and junior residents about the procedures performed on this rotation when qualified to do so by hospital and program policy.

Professionalism

Residents must demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Residents must:

- ✓ Demonstrate compassion, integrity, and respect for others.
- ✓ Demonstrate sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.
- ✓ Demonstrate sensitivity to issues of age, race, gender, and religion with patients, family, and members of the healthcare team.
- ✓ Demonstrate respect for patient privacy and autonomy.
- ✓ Remain honest with all individuals at all times in conveying issues of patient care.
- ✓ Respond to the needs of the patient above one's own needs and desires.
- ✓ Maintain high standards of ethical behavior in all professional activities.
- ✓ Demonstrate a commitment to the continuity of patient care to carrying out professional responsibilities or through assuring that those responsibilities are fully and accurately conveyed others acting in his/her stead.
- ✓ Understand the institutional policy on duty hours and remain compliant with all duty hour regulations. Residents must enter the number of hours spent in the hospital into the tracking system within 24 hours of duty.
- ✓ Be properly and professionally attired at all times while engaged in patient care.
- ✓ Be properly and professionally groomed at all times when engaged in patient care.
- ✓ At all times treat patients, families, and all members of the healthcare team with respect.
- ✓ Reliably be present in prearranged places at prearranged times except when actively engaged in the treatment of a medical or surgical emergency. The resident must notify the appropriate supervisor if he or she will be unable to be present.
- ✓ Remain compliant with all required training designated by the institution.

Systems-based practice

- ✓ The resident should be able to assess the risks and benefits of all options for treating patients with surgical illness.
- ✓ The resident should be able to summarize the financial costs, potential complications, and long-term expectations for planned procedures.
- ✓ The resident should be able to determine the benefit of additional treatment by other services such as plastic surgery, interventional radiology, and orthopedics.
- ✓ The resident should be able to determine and convey to appropriate individuals the instruments and other materials necessary for all procedures.

Description of Clinical Experiences:

Specific daily responsibilities of the PGY-3 Resident include:
Greater independence with on-call duties, functioning as senior resident, both with patient assessment and in the operating room.

Description of Didactic Experiences:

Attend all scheduled education and conferences while on rotation.

Evaluation Process:

Faculty and senior residents will evaluate the performance of each resident using these goals and objectives. Each resident on the service will evaluate the rotation, the service, faculty and any senior residents also on the rotation.

Other Important Rotation Information: