CORE OBJECTIVES

1. To obtain technical and clinical proficiency in a subset of diagnoses and procedures more commonly encountered in the surgical management of infants and children
   a. Hypertrophic Pyloric Stenosis
   b. Inguinal Hernia
   c. Vascular access
   d. Intussusception
   e. Appendicitis
   f. Brachial Anomalies

2. To obtain additional clinical insight and experience in the management of common surgical problems as they pertain to the care of infants and children
   a. Trauma
   b. Inflammatory Bowel Disease
   c. Empyema
   d. The application of minimally invasive techniques in small spaces
   e. Pediatric Critical Care
   f. Soft tissue infections

3. To obtain additional clinical exposure to a subset of diagnoses unique to the surgical management of infants and children
   a. Congenital Anomalies
      i. Atresias: esophageal, intestinal, anal
      ii. Congenital Diaphragmatic Hernia
      iii. Congenital Lung Lesions
      iv. Syndromic anomalies such as VACTERL
      v. Choledochal cysts
      vi. Meckels Diverticulum
   b. Inherited or Inborn Diseases
      i. Hirschsprungs disease
      ii. Biliary atresia
      iii. Hyperinsulinism
      iv. Metabolic Diseases
   c. Pediatric Oncology
      i. Wilms Tumor
      ii. Neuroblastoma
      iii. Germ Cell Tumors

EXPECTED COMPETANCIES

1. Patient Care
a. Complete history and physical exam across a range of ages in a variety of settings including the emergency department, the intensive care unit, the inpatient units and the outpatient clinic
b. Ability to provide basic medical interventions including intravenous fluid resuscitation, antibiotic administration, and narcotic administration across a variety of ages
c. Ability to assist in pediatric surgical procedures relevant to the diagnoses listed in the three core objectives.

4. **Medical Knowledge**
a. Preoperative and postoperative care of surgical patients across a range of ages in a variety of settings including the emergency department, the intensive care unit, the inpatient units and the outpatient clinic
b. The pathophysiology and differential diagnoses underlying the list of diseases outlined in the three core objectives

5. **Practice Based Learning and Improvement**
a. Attendance at conferences including the core lecture series, grand rounds, walk-rounds, journal club, combined radiology-surgery case series, and tumor board
b. Identify and read pertinent medical literature
c. Participate in the development of management plans

6. **Interpersonal and Communication Skills**
a. Work effectively and collegially within a multi-disciplinary setting
b. Communicate effectively with pediatric patients and their families

7. **Professionalism**
a. Maintain a professional demeanor and person when interacting with families and co-workers
b. Ensure continuity of care amongst house-staff, consulting services, and physician extenders

8. **Systems Based Practice**
a. Identify and engage in open discussion about the utility and appropriateness of examinations and diagnostic tests on pediatric surgical patients.