The Pediatric Surgery Elective is available to senior residents in either a 2 or 4 week block rotation. The experience will include performing inpatient consultations, attending outpatient clinics and observing surgeries.

The overall goal of the pediatric surgery elective is to acquire an in-depth knowledge and experience with commonly encountered surgical problems of infants and children. This elective also includes adequate time to pursue directed readings that focus on pathophysiology of disease processes. With this information as a background, the resident will acquire a good understanding of the management and long-term outcomes of common and uncommon surgical disorders in children should be obtained.

Residents are required to attend and be active participants in all required clinics. When instructed, residents are required to complete consultations on hospitalized patients thoroughly so that they are prepared to present and discuss the patients on rounds with the attending. This includes locating pertinent imaging studies in radiology and pulling pertinent literature from the library. Residents are required to follow the consult patients and communicate recommendations to the inpatient team. Please refer to the Pediatric Surgery Roles and Responsibilities form for specific rotation requirements that are outside of the scope of this document.

### A. Patient Care:

1. Demonstrate the ability to perform a comprehensive physical examination on children of all ages
2. Gather accurate, essential information from all sources, including medical interviews, physical examinations, medical records and the results of diagnostic procedures
3. Make informed recommendations about diagnostic and therapeutic options and interventions that are based on clinical judgment, scientific evidence, and patient preference
4. Develop effective patient management plans and integration of patient care

### B. Medical Knowledge:

1. Discuss the outpatient management and evaluation of surgical problems that would present to a pediatrician in general practice
2. Discuss the complex aspects of surgical management such as the management of trauma patients, intestinal obstruction, tumor resection and the like.
3. Complete the directed reading packet provided while on the rotation.
4. Demonstrate a clear understanding of the pathophysiology and management of children with **pyloric stenosis**
5. Demonstrate a clear understanding of the pathophysiology and management of children with **hernias**
6. Demonstrate a clear understanding of the pathophysiology and management of children with **traumatic injuries**
7. Demonstrate a clear understanding of the pathophysiology and management of children with **abdominal catastrophes**
8. Demonstrate a clear understanding of the pathophysiology and management of children with **empyema**
9. Demonstrate a clear understanding of the pathophysiology and management of children with **abscesses**
10. Demonstrate a clear understanding of the pathophysiology and management of children with **necrotizing enterocolitis**
Educational Goals and Objectives

Pediatric Surgery Elective

PL-2 Residents

11. Demonstrate a clear understanding of the pathophysiology and management of children with neuroblastoma and other solid tumors
12. Demonstrate a clear understanding of the pathophysiology and management of children with burns
13. Demonstrate a clear understanding of the pathophysiology and management of children with chest wall deformities
14. Demonstrate a clear understanding of the pathophysiology and management of children with abdominal wall defects
15. Demonstrate a clear understanding of the pathophysiology and management of children with tracheo-esophageal fistula
16. Demonstrate a clear understanding of the pathophysiology and management of children with Hirschsprung’s Disease
17. Demonstrate a clear understanding of the pathophysiology and management of children with cardio-pulmonary failure requiring ECMO
18. Demonstrate a clear understanding of the pathophysiology and management of children with intestinal atresias
19. Demonstrate a clear understanding of the indications for central vascular access placement

C. Practice-Based Learning and Improvement:

1. Reflect on their own knowledge and performance, identify and target gaps in that knowledge
2. Develop an independent learning plan to address identifiable gaps in knowledge
3. Provide, request and accept/incorporate feedback into practice
4. Demonstrate a willingness to learn from errors and use errors to improve the system or processes of care
5. Use information technology or other available methodologies to access and manage information, support patient care decisions and enhance both patient and physician education
6. Demonstrate the ability to work with other learners to improve/enhance knowledge

D. Interpersonal and Communication Skills:

1. Demonstrate the ability to communicate with patients and families effectively without the use of medical jargon
2. Provide effective and professional consultation to other physicians and health care professionals and sustain therapeutic and ethically sound professional relationships with patients, their families, and colleagues
3. Use effective listening, questioning, and narrative skills to communicate with patients
4. Maintain comprehensive, timely, and legible medical records
5. Demonstrate the use of interpreters when necessary
6. Provide effective and professional consultation to other physicians and health care professionals and sustain therapeutic and ethically sound professional relationships with patients, their families, and colleagues
7. Complete evaluations of attending, staff and rotation

E. Professionalism:

1. Act in the best interest of the patient at all times
2. Demonstrate respect, compassion, integrity, and altruism in relationships with patients, families, and colleagues
3. Demonstrate sensitivity and responsiveness to the gender, age, culture, religion, sexual preference, socioeconomic status, beliefs, behaviors, and disabilities of patient and professional colleagues
4. Adhere to principles of confidentiality/scientific/academic integrity
5. Be punctual and reliable
6. Maintain patient flow where clinic volumes demand

F. Systems-Based Practice:

1. Advocate for your patients in a complex medical system
2. Identify access and utilize the resources, providers and systems necessary to provide optimal care
3. Discuss the limitations and opportunities inherent in various practice types and delivery systems, and the strategies to optimize care for the individual patient
4. Apply evidence-based, cost-conscious strategies to prevention, diagnosis and disease management
5. Collaborate with other members of health care team to assist patients in dealing effectively with complex systems and to improve systematic processes of care
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