

Pediatric Resident Elective in Pediatric Radiology: Goals and Objectives (Updated 12/2014)

Medical Knowledge

At the conclusion of the rotation, the resident will be familiar with imaging of common pediatric diseases from

- 1) Participation in reading room rounds and checkouts
- 2) Observation of image guided procedures (US, Fluoroscopy, CT, MR)
- 3) Attendance at interdisciplinary conferences and rounds
- 4) Online Instruction including:
 - a. Pediatric Cases of ACR Case in Point @
<https://3s.acr.org/CIP/ShowArchiveCases.aspx?Status=Unknown&CName=Pediatric>
 - b. Web Based Modules on the following topics @
<https://www.cchs.net/onlinelearning/cometvs10/pedrad/default.htm> :

**** Denotes topics to be completed for 2 week rotation**

Introduction to the Pediatric Knowledge

[Lines and Catheters](#) **

Chest

[Childhood Pneumonia](#) **

[Neonatal Chest](#) **

GI

[Appendicitis](#)

[Hypertrophic Pyloric Stenosis](#)

[Intussusception](#)

[Malrotation and Midgut Volvulus](#)

[Newborn Low Intestinal Obstruction](#)

[Pneumoperitoneum](#) **

GU

[Duplication of the Collecting System/Ureters](#)

[Neuroblastoma, Ganglioneuroblastoma, Ganglioneuroma](#) **

[Testicular Torsion](#)

[Vesicoureteral Reflux](#) **

[Wilms and Other Renal Tumors](#) **

Musculoskeletal

[Child Abuse: Skeletal Trauma](#) **

[Childhood Fractures](#) **

[Developmental Dysplasia of the Hip - Optional](#)

[Legg-Calvé-Perthes Disease - Optional](#)

[Septic Arthritis and Toxic Synovitis](#)

[Slipped Capital Femoral Epiphysis - Optional](#)

Neuroradiology

[Child Abuse: Cerebral Trauma](#) **

[Newborn Cranial Ultrasound](#)

Systemic Conditions

[Leukemia and Lymphoma](#) **

[Sickle Cell Disease](#) **

Practice-Based Learning and Improvement

At the conclusion of the rotation, the resident will be able to:

- Direct the appropriate imaging workup for common clinical scenarios.
- Assess strengths and weaknesses of knowledge via the completion of post-tests associated with the Web Based modules.

Interpersonal and Communication Skills

At the conclusion of the rotation, the resident will be able to :

- Communicate the necessary and appropriate clinical information and clinical questions via radiology requests or personal consultations with the radiologists to optimize the diagnostic imaging work-up.
- Describe and explain the following imaging procedures to patients and their families: Ultrasound, Modified Barium Swallows, Esophagrams, Upper GI Series, Small Bowel Follow- Throughs, VCUg's, Barium Enemas, Computed Tomography, and MRI.

Professionalism

- During the rotation, the resident will be expected to arrive promptly in the pediatric reading room upon completion of morning report, noon conferences, and Grand Rounds.
- During the rotation, the resident will be expected to participate in film read outs, observe imaging procedures, and attend pediatric specific conferences such as neonatal rounds, pediatric tumor board, SCAN team, fetal conference, and surgery conference.
- During the rotation, the resident will be expected to communicate with the pediatric radiology attendings when other responsibilities such as call, vacation, and clinic conflict with the work day.

Systems Based Practice

At the conclusion of the rotation, the resident will have:

- A greater understanding of the consulting role of the radiologist in the care of children and their families.

Assignments:

The resident will be expected to facilitate the communication of pertinent clinical information to the radiologists via data mining in EPIC.

Teaching File Case: The resident will be expected to create a single Imaging Teaching case inclusive of clinical presentation, laboratory findings, imaging findings, pathologic findings, diagnosis and management utilizing an online Teaching File, Horizon Study Share, @ https://hss.musc.edu/studyshare/repos/studyshare_repo/static/e/home/ to be presented to the medical students, radiology residents and attendings on the pediatric radiology rotation. The case will also be presented subsequently to the Department of Pediatrics during a Noon conference featuring all such teaching cases created by pediatric residents over a 6 month period.

Evaluations: The resident will be evaluated on professionalism, attendance, active involvement/engagement in the clinical activities, utilization of online resources, and quality of Teaching File Case and presentation.