

Name of Rotation: Pediatrics, Lurie Children's Hospital
PGY Level: 2, 3, 4, 5
Supervising Attending: Dr. Miriam Kappil
Effective Date 7/1/20

PEDIATRIC RADIOLOGY ROTATION – GENERAL GOALS AND OBJECTIVES

Patient Care:

1. Perform basic pediatric fluoroscopic procedures with attending supervision. Be able to perform pediatric fluoroscopic procedures observing radiation protection guidelines. and using appropriate diagnostic technique for the clinical question, under attending supervision. Preview, perform and dictate pediatric sonograms, GI studies and VCUG's and review them with the appropriate attending.
2. Be able to review all emergent, inpatient and outpatient radiographs for completeness of study and dictate studies with attention to significant findings and appropriate follow-up.
3. Be familiar with pediatric CT and MR protocols for Body, MSK, and Neuro subspecialties. Know how to protocol and supervise pediatric CT exams, including CTA/CTV studies making sure ALARA radiation safety guidelines are followed. Demonstrate ability to protocol and read the most common pediatric CT and MR studies.
4. Demonstrate ability to facilitate workflow in the respective subspecialty rotation.
5. Demonstrate knowledge in all areas of pediatric radiology as described in core curriculum. Recognize normal and abnormal findings in the skull, spine and central nervous system. Acquire knowledge of childhood malignancies, how they present, what they look like on different imaging modalities and how they are treated. Learn about common genetic syndromes and understand basics of genetic testing.

Interpersonal and Communication Skills:

1. Be able to talk to a child and gain their trust. Also be able to discuss the various imaging procedures with a child and their family and explain them in laymen terms.
2. Be able to dictate an appropriate report on a study of an infant or child after review with the appropriate attending and correct and sign report.
3. Demonstrate appropriate interaction with technologists, referring physicians, residents and attending staff.
4. Be able to review all emergent, inpatient and outpatient radiographs for completeness of study and dictate studies with attention to significant findings and appropriate follow-up. Be able to dictate a complete, concise report with a conclusion and recommendations if appropriate.
5. Increase number of cases he/she can dictate with attending assistance and supervision.

Medical Knowledge:

1. Identify normal/abnormal findings on various studies in infants and children of all ages.
2. Recognize common pediatric emergencies.

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3. Describe work-up plans for common pediatric problems such as the infant who vomits, the child who limps etc.
4. Develop differential diagnoses for common pediatric pathology.
5. Recognize the differences in the appearance of the skeleton at different ages. Identify and characterize skeletal abnormalities.
6. Describe the proper procedure for fluoroscopy of an infant/older child. Be aware of positioning techniques and technical factors leading to optimum chest, abdomen, GI and GU procedures of the infant and older child.
7. Continuously increase knowledge base in pediatric gastrointestinal and genitourinary diseases and in pediatric neuroradiology through reading films, participating in conferences and clinical discussions, reading recommended texts and utilizing electronic data resources.
8. Increase knowledge of cross sectional imaging techniques for pediatric patients.
9. Demonstrate knowledge of childhood malignancies, how they present, what they look like on different imaging modalities and how they are treated.
10. Learn about common genetic syndromes and resultant diseases, as well as appropriate imaging seeing and follow up.

Professionalism:

1. Attendance: Be punctual for your daily rotation, noon conferences, and all interdepartmental conferences
2. Follow the vacation and meeting policies of the Department of Medical Imaging while rotating in the department.

Practice Based Learning:

1. Continue to expand knowledge base utilizing provided reading material, textbooks, teaching files and electronic resources.
2. Complete all required modules in the Cleveland Clinic modules and send completed modules to Oralia Mathew (these are detailed separately each rotation).
3. Be prepared for all Core Curriculum lectures by reviewing all required materials before conference.
4. Read/ review all recommended materials before and during each assigned weekly rotation. This is provided in the folder for each rotation.
5. Demonstrate appropriate utilization of the online resources as an information source in pediatric radiology.
6. Prepare teaching file case and present it at Friday morning conference.
7. Demonstrate consistent researching of interesting cases using electronic and conventional resources.
8. Familiarize himself/herself with the ACR appropriateness criteria for pediatric radiology.

Decision-making, Value Judgment skills and Systems Based Practice:

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1. Be able to recognize limitations in personal knowledge and skills; know when to call for attending help; be careful not to make decisions beyond level of personal competence.
2. Take call safely.
3. Have some knowledge of cost of pediatric exams.
4. Be aware of radiation safety issues in pediatric radiology.
5. Make sure dictations and consultations are checked by attending radiologist on service.
6. As you progress in the rotation, make preliminary decisions on matters of film interpretation and consultation, recognizing and obtaining assistance with situations that require expertise of attending radiologist.
7. Recognize emergency situations that require immediate attention.