PRCT 353 – Clinical Placement 1

Objectives for Pediatric Imaging

Under direct supervision by a registered technologist, demonstrate competence in the performance of pediatric radiography examinations.

A. Performance Objectives

The student will be able to:

1. Accurately interpret the requisition and correlate clinical history with requested examination.
2. Identify the patient.
3. Set control panel, i.e. exposure parameters, tube, etc.
4. Select image receptor for the procedure.
5. Accurately position the patient and align the apparatus for the procedure.
6. Use appropriate collimation.
7. Use markers in proper alignment and position.
8. Follow radiation protection practices adhering to ALARA.
9. Provide the patient with appropriate instruction and practice optimum patient care.
10. Process images.
11. Critique the images, i.e. accurately identifying images with patient information and appropriate markers, name projections/views, anatomical structures, etc.
12. If required, make adjustments to produce a diagnostic image.
13. Demonstrate accurate documentation of pertinent information.
14. Adhere to infection safety control standards.
15. Practice emergency and code procedures as required.
16. Behave in an ethical and professional manner.
17. Attain clinical competence.

18. Practice the different communication methods used in imaging pediatric patients.
19. Participate in communication with parents.
20. Apply the adaptations that may be necessary to position pediatric patients.
21. Apply the methods, purpose and precautions of pediatric restraint devices.
22. Identify differences in exposure factors used in pediatrics vs. adults.
23. Identify differences in additional filtration in pediatric units (if applicable).
24. Implement modifications to a routine exam to reduce exposure to the pediatric patient.

B. Learning Activity

- Review Radiographic Technique Systems
- Attend and participate in image critique sessions o review teaching files
  - critique images you have produced
  - record acceptable entries in clinical performance record

Evaluation

Clinical Procedure Competencies, Logbook, Semester Examinations.