RADT A172: CLINICAL LAB 2

Item	Value
Curriculum Committee Approval Date	02/09/2022
Top Code	122500 - Radiologic Technology
Units	2 Total Units
Hours	128 Total Hours (Lab Hours 128)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

This course consists of clinical lab experience and the application of radiologic technology skills. The course utilizes a competency-based curriculum emphasizing radiologic technology skills in the upper and lower extremity regions of the body. Radiographic skill development includes assisting with routine contrast media studies of the GI and GU tracts. PREREQUISITE: Acceptance into the OCC Radiologic Technology Program (Cohort restriction). Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Apply positioning skills learned to performing non-acute and acute abdominal exams in the clinical setting.
2. Demonstrate appropriate patient care skills, adherence to radiation protection practices, and exhibit professional behaviors.

Course Objectives

- 1. Position patient for GI and GU scout image - direct supervision. *
- 2. Set exposure factors on radiograph control panel for scout image. *
- 3. Evaluate and analyze diagnostic quality of radiographs produced. **
- 4. Identify four basic infection control methods. *
- 5. Demonstrate correct use and disposal of needles according to departmental protocol. *
- 6. List 3 requirements of Standard Precaution Guidelines. *
- 7. Complete all clinical training documentation. **
- I SCAN SKILLS IDENTIFICATION
- II * Competencies
- III ** Foundation Skills

Lecture Content

Course has Lab hours only

Lab Content

Clinical training: Orientation to upper and lower extremity exams, scout image for GI and GU tracts, or alternative exams. Assignment to clinical training as specified per rotation schedule. Continue with diagnostic exams chest abdomen Orientation to patient care protocols. Basic infection control methods and isolation procedures. Correct use and disposal of needles and syringes. Identification of Precautions and guidelines. Complete RT A172 clinical objectives: Observe with final evaluation students ability to perform contrast media scout films Upper extremity Lower extremity Portable imaging GI tract GU tract Alternative Exam(s) Adhere to infection control measures and isolation protocols. Determine final clinical course grade by completion of RT A172 Objectives. Review completed RT A172 objectives with student - identify strengths and areas for improvement. Determine goals for the next clinical course.

Method(s) of Instruction

- Lab (04)
- Non-Directed Clinical (NDR)

Instructional Techniques

Demonstration; Seminar-style lab, clinical practice under direct supervision; image analysis; return skill demonstration.

Writing Assignments

1 hour per week to complete: 1. Clinical logs - daily, weekly, monthly2. Repeat analysis log3. RT 171 Clinical Objectives4. Skills demonstration - chest, abdomen5. Self evaluation6. Evaluation of clinical assignment/site

Out-of-class Assignments

1 hour per week to complete: 1. Clinical logs - daily, weekly, monthly2. Repeat analysis log3. RT 171 Clinical Objectives4. Skills demonstration - chest, abdomen5. Self evaluation6. Evaluation of clinical assignment/site

Demonstration of Critical Thinking

performance evaluation sheet for scout film for GI and GU studies. Clinical practicum proficiency - 1 exam to be signed off in direct supervision - scout film GI or GU studies. Completion of clinical training documentation utilizing forms from student clinical handbook.

Required Writing, Problem Solving, Skills Demonstration

performance evaluation sheet for scout film for GI and GU studies. Clinical practicum proficiency - 1 exam to be signed off in direct supervision - scout film GI or GU studies. Completion of clinical training documentation utilizing forms from student clinical handbook.

Eligible Disciplines

Radiological technology: Any bachelors degree and two years of professional experience, or any associate degree and six years of professional experience.

Textbooks Resources

1. Required Holt, K. , Sachs, L.,. Student Clinical Manual,, ed. OCC Bookstore, 2022 Rationale: - 2. Required Adler, Arlene,. Introduction to Radiologic Sciences and Patient Care., 7th ed. Elevier/Mosby, Missouri,, 2018 Rationale: - 3. Required Lampignano, J. P., Kendrick, L. E. . Bontragers Textbook of Radiographic Positioning and Related Anatomy., 10th ed. Elsevier/Mosby, 2020

Other Resources

1. Radiology Departments Procedure Manual.