RADT 233
Computed Tomography (CT) Clinical Practicum I
2 Credits

Community College of Baltimore County
Common Course Outline

Description

RADT 233 – Computed Tomography (CT) Clinical Practicum I: begins the clinical professional portion of the Computed Tomography program. Students perform Computed Tomography procedures under the direct supervision of a preceptor/mentor. An orientation to clinical and on-boarding procedures is provided. 2 credits: 16 clinical hours per week; 8 weeks. (Offered winter or summer semester).

Pre-requisites: Admission into the CT Program and Permission of Program Coordinator
Co-requisites: RADT 230

Overall Course Objectives

Upon completion of this course, students will be able to:

1. demonstrate professional behavior in dealing with patients and other staff members;
2. apply standard and transmission-based precautions;
3. provide patient-centered clinically effective care for all patients, regardless of age, gender, disability, special needs, ethnicity, or culture;
4. integrate appropriate personal and professional values into clinical practice;
5. assess the patient to record clinical history;
6. respond appropriately to medical emergencies;
7. demonstrate competency in the principles of radiation protection practices;
8. select technical factors to produce quality diagnostic images with the lowest radiation exposure possible;
9. demonstrate clinical performance by being evaluated on clinical skills and tasks; and
10. complete 30 clinical competencies that will prepare the student to sit for the Computed Tomography Registry examination offered by the American Registry of Radiologic Technologists (ARRT).

Major Topics

I. Orientation
    a. Philosophy of clinical competency program
    b. Clinical procedures and policies
    c. Clinical duty schedules
    d. Onboarding procedures for clinical rotations
    e. Professional ethics

    f.   Radiation protection
II.   Proper Use and Care of Equipment
III.   Patient Care
    a.   Vital signs
    b.   Patient confidentiality and modesty
    c.   Standard precautions
    d.   Patient needs and safety
    e.   Venipuncture
IV.   Clinical Area Responsibilities
    a.   Assigned tasks
    b.   Clinical attendance and uniform
    c.   Clinical area cleaning and stocking
    d.   Patient transport
    e.   CT exams under direct supervision
    f.   Radiation protection
    g.   Professional ethics and behavior

Course Requirements

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- 4 Clinical Evaluations
- 30 Clinical Competency Evaluations
- 8 Discussion Board Assignments

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

Other Course Information

The American Registry of Radiologic Technologists (ARRT) has established a minimum-scaled passing score of 75%. The Radiography program has developed standards of grading that are consistent with grading systems of other programs. Letter grades will be distributed according to the following standards:

92 -100 A
83 -91 B
75 -82 C
65 -74 D
below 65 F

This course is a required course in the CT certificate program within the Medical Imaging Department.

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