Miami Dade College

Course Description

RTE1503 | Radiographic Positioning 1| 3.00 credits
Fundamentals of radiographic positioning for the chest, abdomen, upper and lower extremities, shoulder girdle, pelvis, pelvic girdle, and basic related mobile radiography.

Course Competencies

Competency 1: The student will be able to demonstrate a functional knowledge of radiographic anatomy and positioning terminology required in radiologic science by:
1. Defining standard positioning terms related to radiographic procedures
2. Identifying anatomic structures and topographical landmarks as related to radiography
3. Defining terms of movement and direction
4. Explaining the use of various immobilization devices

Competency 2: The student will be able to demonstrate a functional knowledge required to perform accurate radiographic procedures of the chest, abdomen, upper and lower extremities, shoulder and pelvic girdles by:
1. Appropriately identifying the routine and special views for each anatomical part
2. Describing the general purpose of each radiographic study
3. Describing the correct patient positions for each routine and special examination.
4. Defining the rule for table-top vs. bucky for each examination.
5. Defining the centering points, CR angle and SID for each routine and special examination.
6. Selecting suitable technical factors to produce quality diagnostic images with the lowest radiation exposure possible

Competency 3: The student will be able to discuss images for positioning, centering, appropriate anatomy and overall image quality by:
1. Identifying specific anatomy of the chest, abdomen, upper and lower limbs, shoulder and pelvic girdles on a radiograph.
2. Defining region of interest
3. Describing the criteria of evaluating the radiograph for accurate AP/PA, oblique, and lateral positions.
4. Discriminating between acceptable and unacceptable radiographs for collimation, exposure factors, and positioning errors

Learning Outcomes:
- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information