

Course Description

RTE1503 | Radiographic Positioning 1 | 3 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:

- defining standard positioning terms related to radiographic procedures
- identifying anatomic structures and topographical landmarks as related to radiography
- defining terms of movement and direction
- explaining the use of various immobilization devices

Learning Outcomes:

- Communication
- Information Literacy

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:

- appropriately identifying the routine and special views for each anatomical part
- describing the general purpose of each radiographic study
- describing the correct patient positions for each routine and special examination.
- defining the rule for table-top vs. bucky for each examination.
- defining the centering points, CR angle and SID for each routine and special examination.
- selecting suitable technical factors to produce quality diagnostic images with the lowest radiation exposure possible

Learning Outcomes:

- Numbers / Data
- Critical thinking
- Information Literacy

Competency 3:

The student will be able to discuss images for positioning, centering, appropriate anatomy and overall image quality by:

- identifying specific anatomy of the chest, abdomen, upper and lower limbs, shoulder and pelvic girdles on a radiograph.
- defining region of interest
- describing the criteria of evaluating the radiograph for accurate AP/PA, oblique, and lateral positions.
- discriminating between acceptable and unacceptable radiographs for collimation, exposure factors, and positioning errors

Learning Outcomes:

- Numbers / Data
- Critical thinking
- Information Literacy