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Adaptive Radiography: A Real Life Approach (1 hr)

Abstract

Proper positioning is one of the most difficult aspects to learn properly as a radiography student. Once a student becomes a registered technologist they discover what was taught in school is often performed quite differently in the hospitals and clinics. This presentation will demonstrate a user friendly system of real life situations, photographs and x-ray images that will teach radiographers how to integrate these proven “tricks of the trade” into their everyday work life.

Outline

- I. **Air Fluid levels and Free air**
 - A. Double coconut experiment
 - B. Upright Abdomen
 - C. AP Waters Projection
 - D. SID's
- II. **Thorax**
 - A. Ribs
 - B. Sternum
 - C. Scapula
 - D. PCXR's
- III. **Assorted Bone Work**
 - A. Long versus short
 - B. Clements-Nakayama projection
- IV. **Concepts**
 - A. Tube angles

Objectives

1. Understands how to incorporate all the positioning criteria acquired in school with new and different processes.
2. Describe why a radiographer cannot have an angle on the tube when shooting for air fluid levels
3. Discuss many new ways to position a trauma and ambulatory patient for mobile radiographs, thorax and extremities.
4. Explain how much angle to put on a tube if the patient is unable to move from a supine position of an oblique C or L spine.