Overview

Introduction

Minimizing variation in fluoroscopic equipment performance in an X-ray room is critical to keep the patient exposure dose as low as possible. This topic will review fluoroscopic safety recommendations, specific fluoroscopic tests and methods to interpret results in order to find a solution to common problems.

Learning Outcome

Evaluate the fluoroscopic performance of an X-ray room according to Safety Code 35 requirements.

Learning Activities

1. Complete the assigned readings (refer to the course schedule)
2. Complete the guided reading activity
    - Check your answers with the answer key
3. Complete QA performance tests 15–22 (refer to performance testing section):
    - Test 15: Visual Inspection Fluoroscopy Test
    - Test 16: Fluoroscopy kVp Accuracy Test
    - Test 17: Maximum Fluoroscopic Exposure Rate Test
    - Test 18: Fluoroscopic Field Size & Beam Alignment Test
    - Test 19: Fluoroscopic Line Pair/mm Test
    - Test 20: Fluoroscopic Low Contrast Resolution Test
    - Test 21: Fluoroscopic High Contrast Resolution Test
    - Test 22: Fluoroscopic Image Noise/Lag Test