



Successful Device Approvals

December 27, 2011

Summary of Course Content

IRSC General Radiation Safety Training: Radiation Machines

This course is a general overview of the use of x-ray equipment, and is appropriate for the use of medical, dental, veterinary, analytical, and industrial x-rays use. This course does not meet the requirements for training Radiologic Technologists (RTs) in taking x-rays, nor is it designed for industrial radiographers requiring detailed training under license conditions.

- What is Radioactivity?
- Review of Atomic Structure
- Ionizing vs. Non-Ionizing Radiation
- X-ray Properties
- Units of Dose/Dose Equivalent
- Biological Effects of Radiation
- Principles of Radiation Safety (ALARA)
- Radiation Safety Program
- Personal Protective Equipment
- Dosimetry
- Access Control

- Performing Surveys
- Types of X-ray Machines
- Other Types of Radiation Machines
- Safety Features
- Regulations/Workers Rights & Responsibilities

The course and quizzes can be completed in 1-2 hours, depending upon the trainee's familiarity with the subject matter.