

Learning Objectives

MedBridge

Radiation Safety: Protection for Clinicians and Patients

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Chapter 1: A Brief History

- Recognize where x-rays began and who was responsible for their development
- Understand the dangers of x-rays and create a basis for differences in today's x-ray suite
- Offer literature-based case studies that depict radiation injury from interventional procedures

Chapter 2: What are X-Rays and how are they Measured?

- Define x-ray radiation
- Describe the characteristics of x-ray radiation
- Describe dosimetry and implications for clinicians

Chapter 3: Policies and Guidelines for Radiation Use and Safety

- Overview of federal agencies and their responsibilities
- Overview of state and ASHA guidelines
- Overview of JCAHO guidelines
- Describe federal levels permitted for workers and the general public..and how these differ from patients.

Chapter 4: Principles of Personal Protection

- Present research directly relevant to speech-language pathologists
- Explanation of the 4 principles of personal protection—patient and clinician

Chapter 5: Radiologist and Radiologic Technologist Considerations

- Present safety considerations controlled by the radiologist and radiologic technologist
- Emphasize points here that SLPs have little (if any) control over these issues
- Offer suggestions for addressing the merits of compromising radiation exposure for exam value with radiology workers

Chapter 6: VFSS and Summary

- Comparison of videofluoroscopy with common exams
- Comparison of videofluoroscopy with real world examples
- Case presentations offering opportunities to reduce radiation and/or improve patient safety