

Intro To Radiologic And Imaging Sciences Chapter 2 Flashcards PDF

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What is the primary purpose of radiologic technology?

The primary purpose of radiologic technology is to produce images of the human body to assist in the diagnosis and treatment of medical conditions.

What are the different types of imaging modalities?

The different types of imaging modalities include X-ray, computed tomography (CT), magnetic resonance imaging (MRI), ultrasound, and nuclear medicine.

What is the role of a radiologic technologist?

The role of a radiologic technologist is to perform imaging examinations, ensure patient safety, and maintain equipment.

What safety measures are important in radiologic imaging?

Important safety measures in radiologic imaging include using lead shields, minimizing exposure time, and maintaining a safe distance from radiation sources.

What is the significance of patient positioning in radiology?

Patient positioning is significant in radiology because it affects the quality of the images obtained and ensures accurate diagnosis.

What is the difference between diagnostic imaging and therapeutic imaging?

Diagnostic imaging is used to identify and diagnose medical conditions, while therapeutic imaging is used to guide treatment procedures.

What is the importance of continuing education for radiologic technologists?

Continuing education is important for radiologic technologists to stay updated on new technologies, techniques, and safety protocols.

What are the ethical considerations in radiologic technology?

Ethical considerations in radiologic technology include patient confidentiality, informed consent, and the principle of 'do no harm'.

How does radiation affect the human body?

Radiation can affect the human body by causing cellular damage, increasing the risk of cancer, and potentially leading to other health issues.

What is the role of imaging in patient care?

The role of imaging in patient care is to provide critical information that aids in diagnosis, treatment planning, and monitoring of medical conditions.