

Introduction to Imaging Equipment

- Which of the following are examples of devices using standard optics?
 - Endoscopy
 - Microscopy
 - Fibers
 - A & B
- What uses electromagnetic waves to excite water atoms inside the human body?
 - Ultrasound
 - X-ray
 - MRI
 - Nuclear Medicine
- What modality uses x-rays to reconstruct slice and volume data?
 - MRI
 - Radiography
 - PET
 - CT
- _____ essentially are electromagnetic waves that can be described by their amplitude, wavelength, and phase.
 - X-rays
 - MRI
 - CT
 - PET
- What are molecules that are marked with radioactive atoms called?
 - Nuclides
 - Tracers
 - Electrons
 - Contrast
- What uses high-frequency sound waves to penetrate bodily tissue?
 - MRI
 - CT
 - Ultrasound
 - PET
- Sound waves are emitted from a _____ that is in direct contact with the body.
 - Probe,
 - Scope
 - Fiber
 - Filament
- True or false. The measurement principle of optical coherence tomography (OCT) is quite similar to US.
 - True
 - False