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Digital Radiography and PACS

Digital Imaging

is defined as any image acquisition process that produces an electronic image that can be viewed and manipulated on a computer.

Digital Radiography

Indirect capture

Direct capture

Types of images

Most PACSs handle images from various medical imaging instruments, including:

- Mammograms
- Ultrasound
- Magnetic resonance
- PET
- Computed tomography
- Endoscopy

PACS

Are computers or networks dedicated to the storage, retrieval, distribution and presentation of images.

It's made up of different components:

Reading stations, Physician review stations, Web access, Technologist quality control stations, Administrative stations, Archive systems, Multiple interfaces to other hospital and radiology system.

DICOM

The medical images are stored in a DICOM format.

DICOM is a standard for handling, storing, printing, and transmitting information in medical imaging.