





Radiography: Radiography is an imaging technique using X-rays, gamma rays, or similar ionizing radiation and non ionizing radiation to view the internal form of a human body.

Magnetic Resonance Imaging (MRI): A method of using a strong magnetic field to produce an image of the inside of a person's body.

Computed Tomography (CT): An X-ray image made using a form of tomography in which a computer controls the motion of the x-ray source & detectors, processes the data & produces the images.

Ultrasound Scanning: A procedure that uses high frequency sound waves to create an image of part of the inside of the body.

Coronary (Cardiac) Computed Tomography Angiography (CCTA) Scan: Is anoninvasive 3D imaging test that identifies plaque and blockages or narrowing of the coronary arteries

Endoscopy: A procedure in which an instrument is introduced into the body to give a view of its internal parts.

Radionuclide Scanning: A procedure that produces pictures of structures insidethe body including areas where there are cancer cells.

Positron Emission Tomography (PET): Is a functional imaging technique that uses radioactive substances known as radiotracers to visualize and mesure the changes in metabolic processes & other physiological activities.

Medical Imaging: Medical Imaging refers to techniques and procedures used to create images of the human body. They allow visualization of internal structures to diagnose abnormal anatomy and deviations from normal physiology.

An Introduction to the Human Body

Aging & Homeostasis: Aging produces observable changes in structure and function and increases the vulnerability to stress & disease.