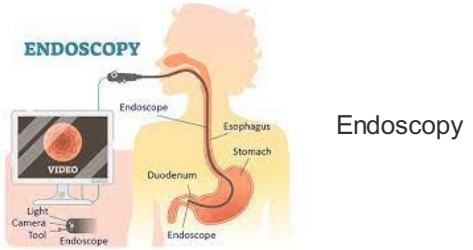


Introduction to human body

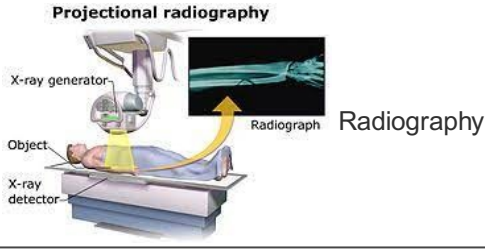
Anatomy & Physiology

; ana- = up; -tomy = process of cutting
physio- = nature; -logy = study of

Medical Imaging Techniques



Endoscopy



Radiography



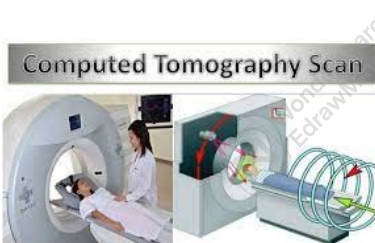
Ultrasound Scanning



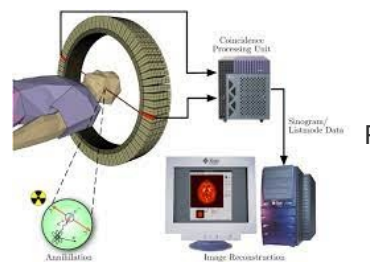
Magnetic Resonance Imaging



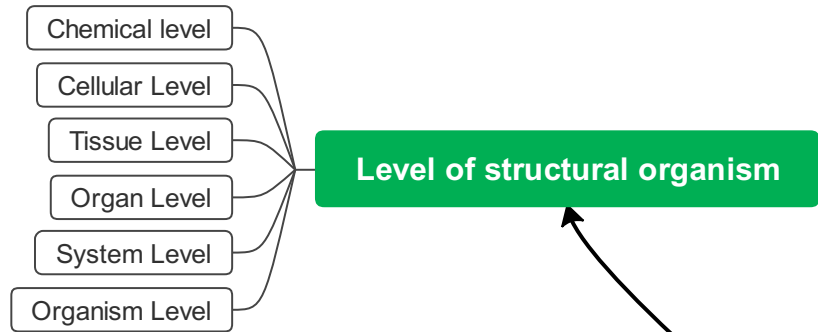
Coronary computed tomography angiography



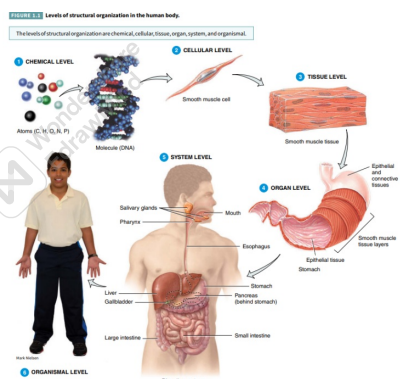
Computed Tomography



Positron Emission Tomography



Level of structural organism



Homeostasis

Control System Components



Feedback system



control

The nervous system and the endocrine system, working together or independently, provide the needed corrective measures.

Nervous System

Endocrine system

The nervous system regulates homeostasis by sending electrical signals known as nerve impulses (actionpotentials) to organs that can counteract changes from the balanced state.

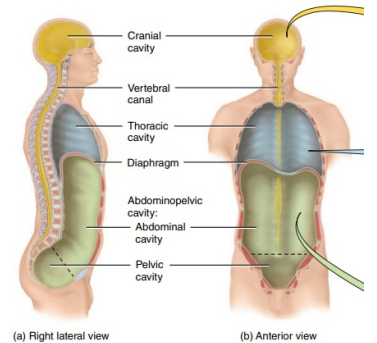
. The endocrine system includes many glands that secrete messenger molecules called hormones into the blood.

Aging & Homeostasis

Aging is associated with impaired homeostasis, or homeostenosis, in the form of diminished capacity to respond to varied challenges

Anatomical Terminology

Body Cavities



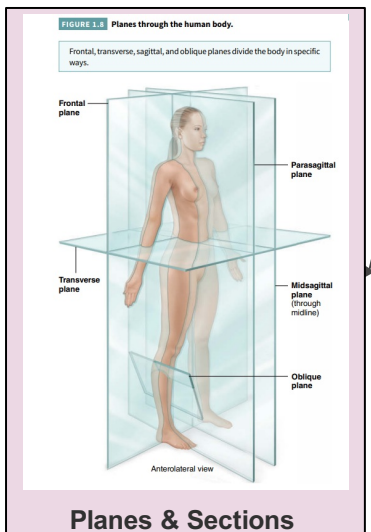
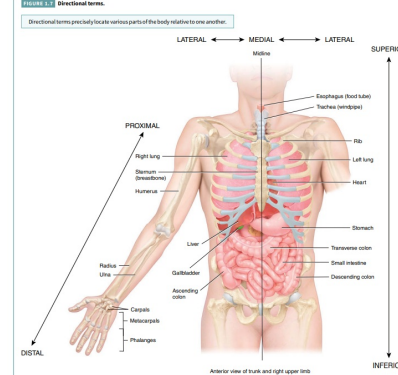
Body Positions

Prone-body is lying facedown
supine-body is lying faceup

Regionals name

- Head
- Neck
- Trunk
- Upper Limb
- Lower Limb

Directional Terms



Planes & Sections