

Anatomy  
IMP TERMS  
Dr AMAL  
ALBTOOSH

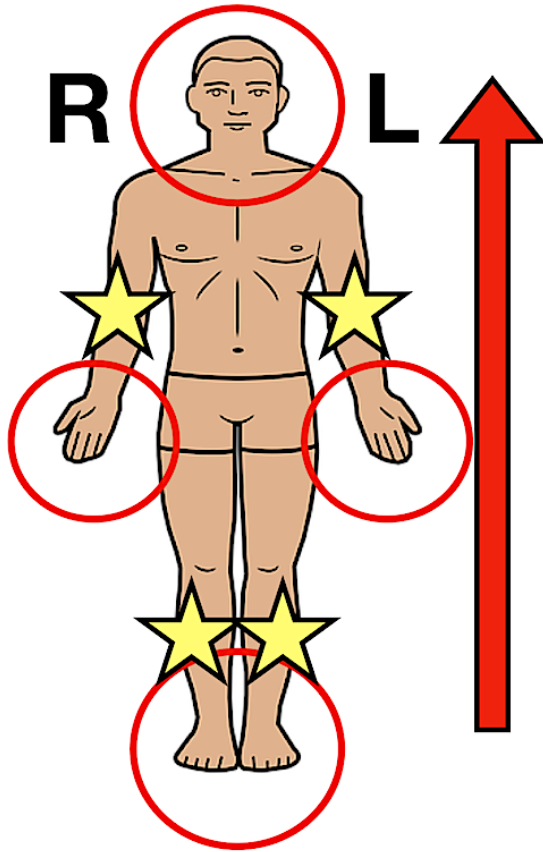


# Relative Position

- ***Anatomical Position***????
- is standing erect
- the face is forward
- upper limbs are at the sides
- the palms forward.



# Anatomical Position



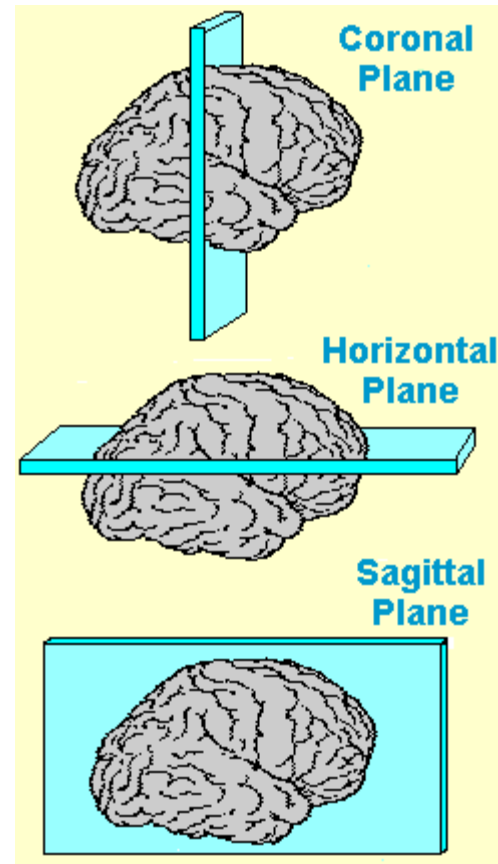
- Standing upright
- Head and eyes directed straight ahead
- Upper limbs at the sides
- Upper limbs slightly away from trunk
- Palms facing forward
- Thumbs pointing away from body
- Lower limbs parallel
- Feet flat on the ground and facing forward

# Relative Position

- Terms of relative position are used to describe the location of one body part with respect to another. They include the following....

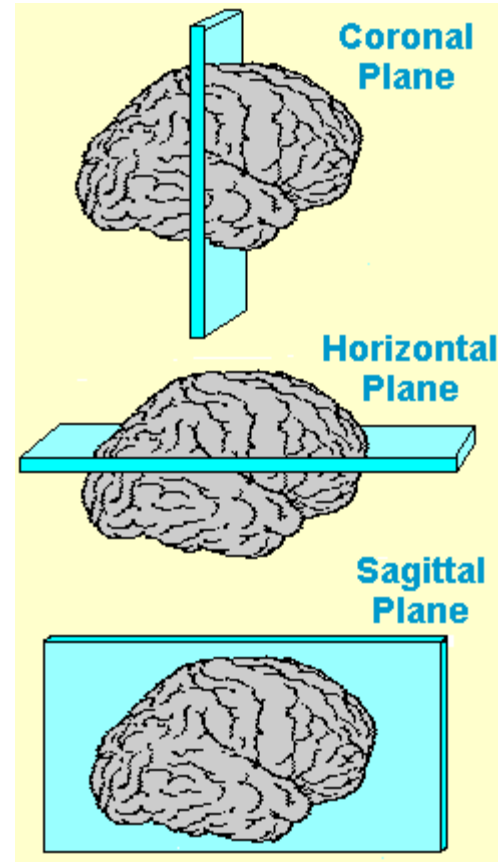
# Body Planes/Sections

- **Sagittal??**
- (median plane)- refers to a lengthwise cut that divides the body into right and left portions.



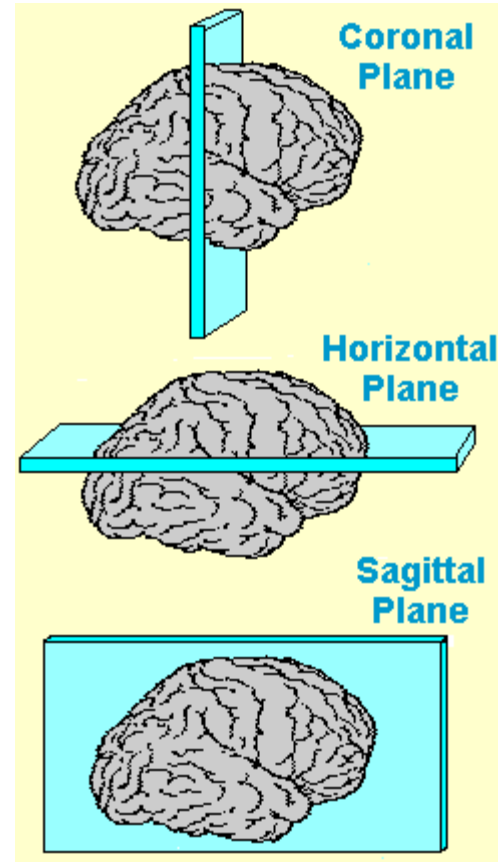
# Body Planes/Sections

- **Transverse** ??
- (horizontal)- refers to a cut that divides the body into superior and inferior portions.



# Body Planes/Sections

- **Coronal???**
- (frontal)- refers to a section that divides the body into anterior and posterior portions.



# Superior/ Inferior

- **Superior....??**

- means a part is above another part or closer to the head. (The thoracic cavity is superior to the abdominopelvic cavity.)

- **Inferior...???**

- means a part is below another part or toward the feet. ( the neck is inferior to the head)



# Anterior/Posterior

- **Anterior**-(aka Ventral)...???
- means toward the front. (the eyes are anterior to the brain)
  
- **Posterior**-(aka dorsal)...???
- means toward the back. (the pharynx is posterior to the oral cavity)

# Medial/Lateral

- **Medial...???**
- relates to an imaginary midline dividing the body into equal right and left halves. (the nose is medial to the eyes)
  
- **Lateral...???**
- means toward the side with respect to the imaginary midline. (the ears are lateral to the eyes)

# Ipsilateral/Contralateral

- **Ipsilateral..??**
- pertains to the same side (the spleen and the descending colon are ipsilateral).
  
- **Contralateral..??**
- refers to the opposite sides. (the spleen and gallbladder are contralateral).

# Proximal/Distal

- **Proximal...???**

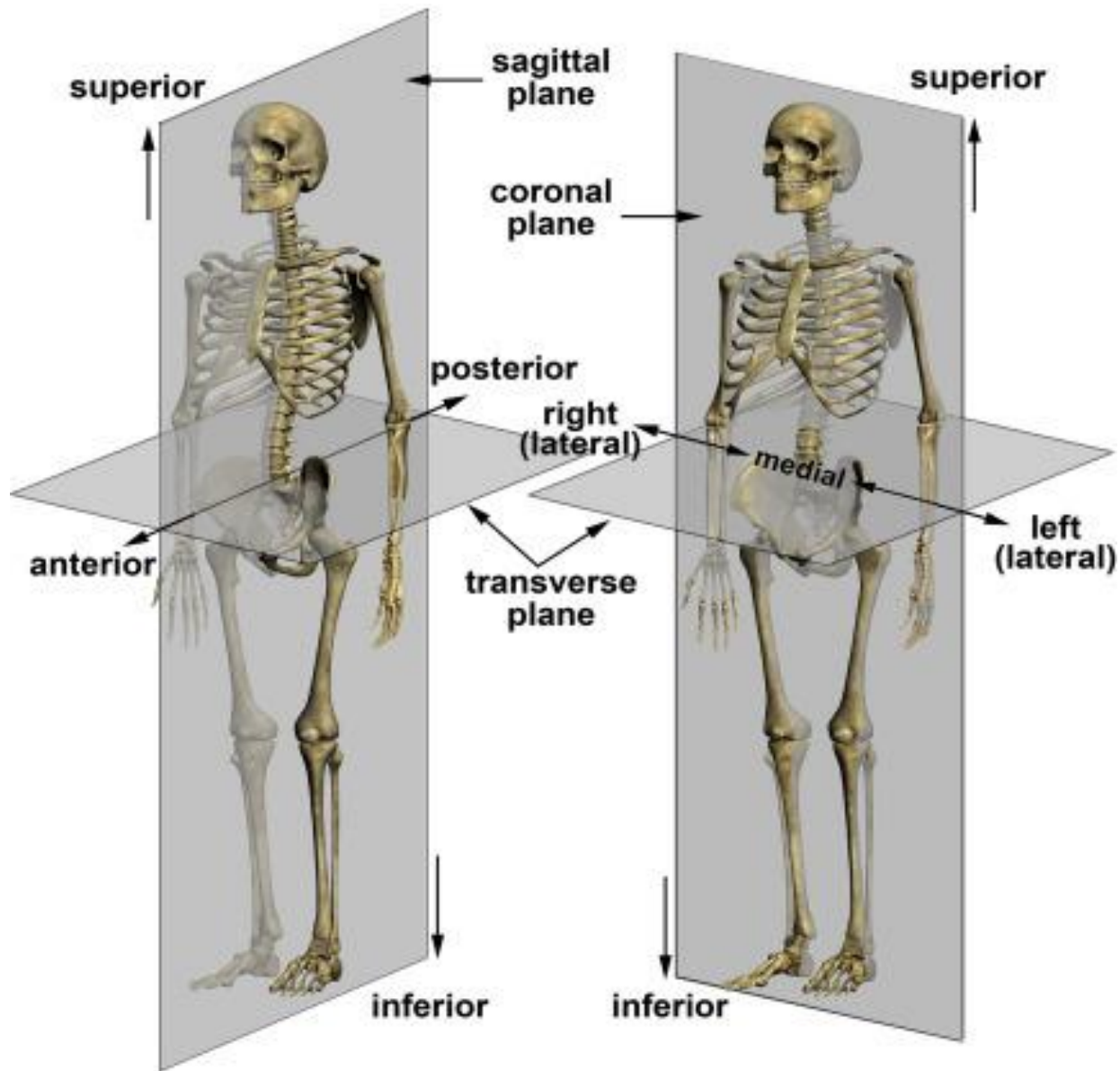
- is used to describe a part that is closer to the trunk of the body or closer to another specified point of reference than another part. (the elbow is proximal to the wrist)

- **Distal...???**

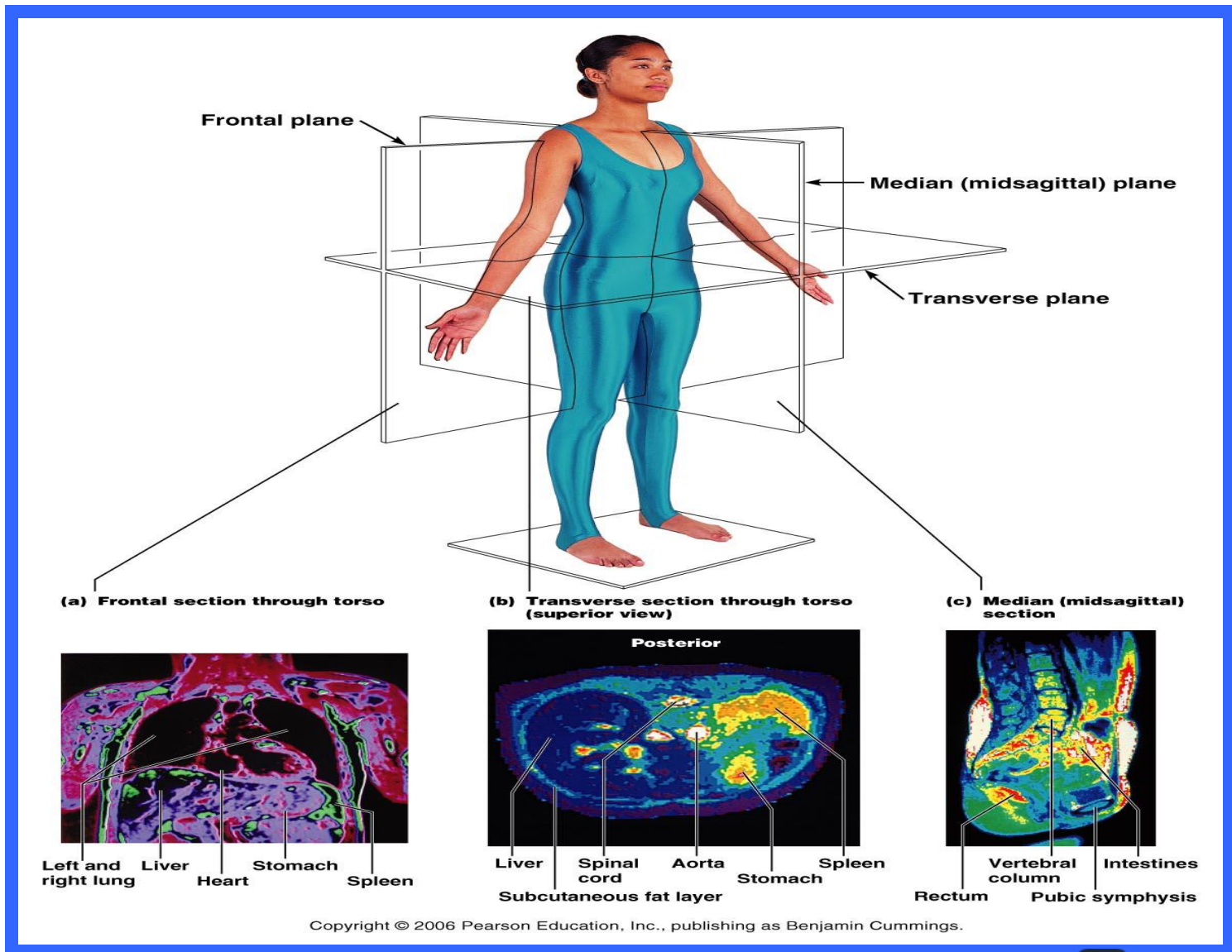
- it means a particular body part is farther from the trunk or farther from another specified point of reference than another part. (the fingers are distal to the wrist).

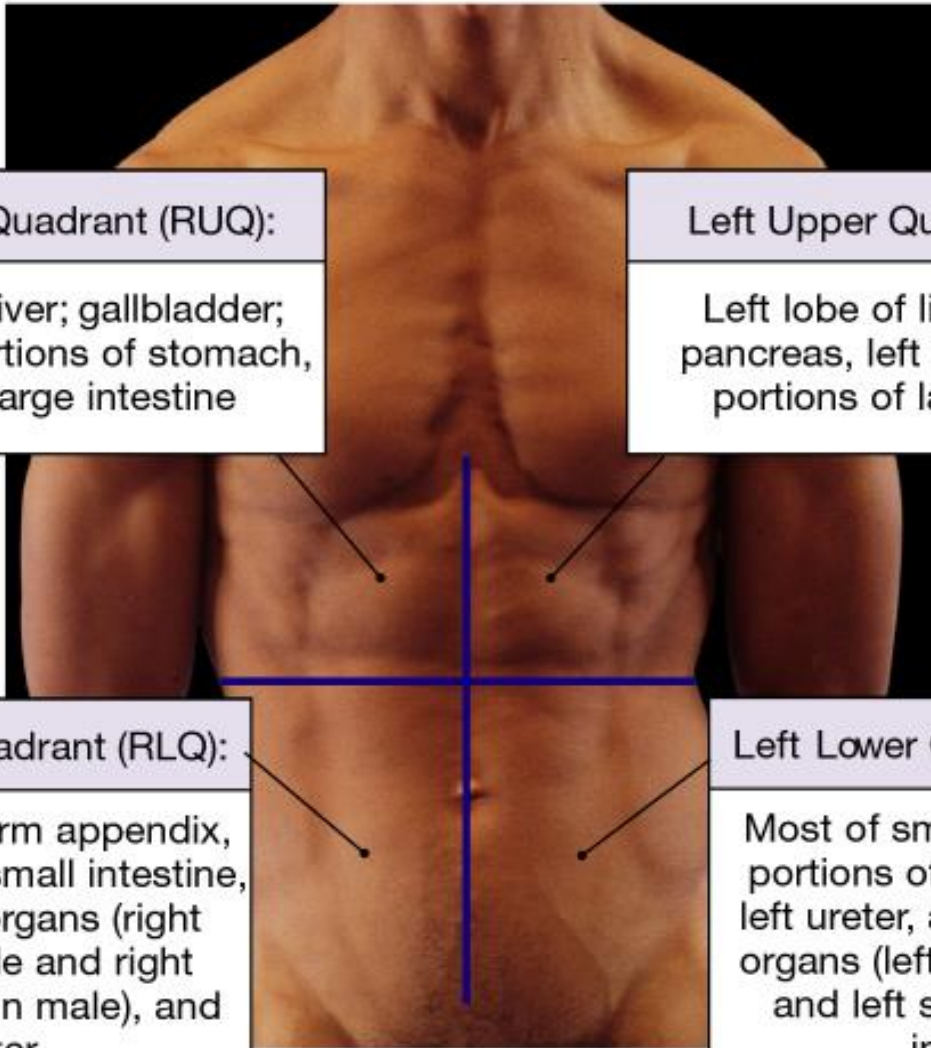
# Superficial/ Peripheral

- **Superficial..??**
- means situated near the surface. (the epidermis is the superficial layer of the skin)
  
- **Peripheral...???**
- also means outward or near the surface. Used to describe the location of certain blood vessels and nerves. The nerves that branch from the brain and spinal cord are peripheral nerves)



# Body Plans/Sections





**Right Upper Quadrant (RUQ):**

Right lobe of liver; gallbladder; right kidney; portions of stomach, small and large intestine

**Left Upper Quadrant (LUQ):**

Left lobe of liver; stomach, pancreas, left kidney, spleen; portions of large intestine

**Right Lower Quadrant (RLQ):**

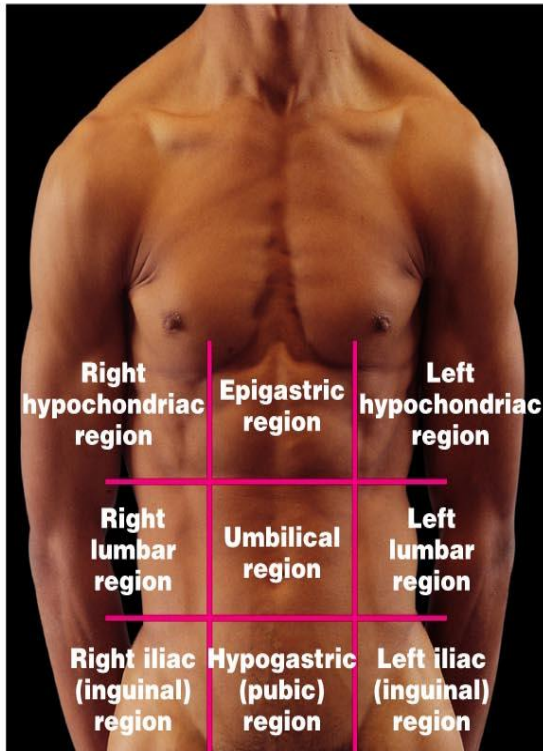
Cecum, vermiform appendix, and portions of small intestine, reproductive organs (right ovary in female and right spermatic cord in male), and right ureter

**Left Lower Quadrant (LLQ):**

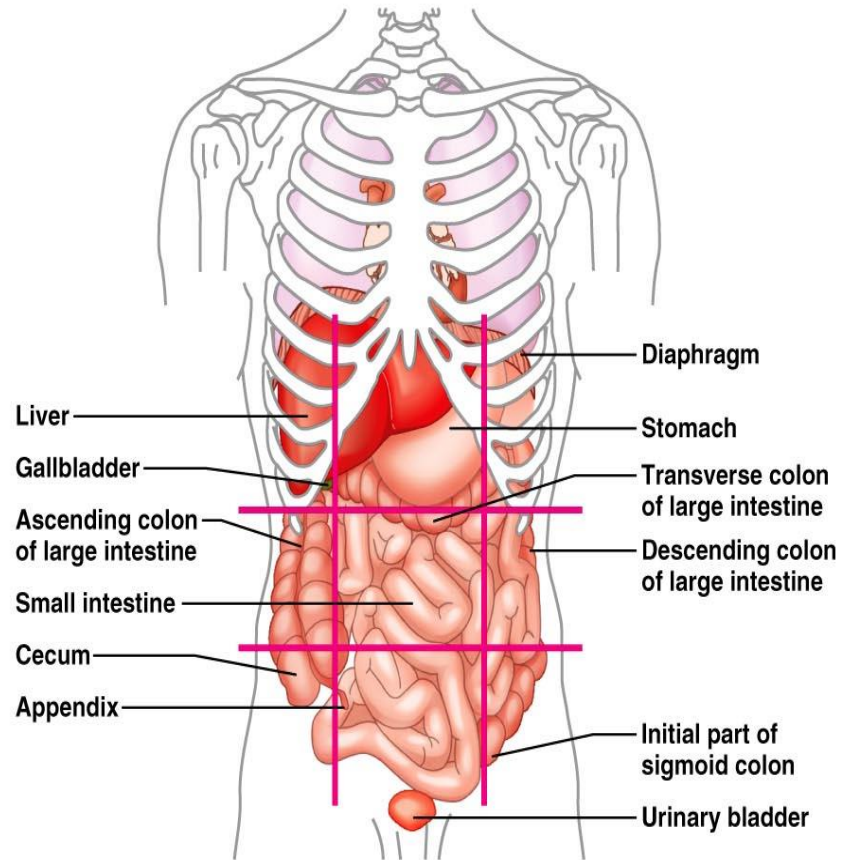
Most of small intestine, and portions of large intestine, left ureter, and reproductive organs (left ovary in female and left spermatic cord in male)



# Abdominal Subdivisions



(a)



(b)

# Upper Region

- Left and Right upper regions are called???
- **Hypochondriac Regions**
- Upper middle is called...
- **Epigastric Region**

# Middle Region

- Left and Right middle regions are called????
- **Lumbar Regions**
- Middle-middle region is called???
- **Umbilical Regions.**

# Lower Region

- Left and Right lower regions are called???
- *Iliac Region*
- Lower Middle region is called???
- *Hypogastric Regions.*



تذكر دائما انك لست محدودا بفرصة واحدة او مستقبل معين  
الحياة اوسع من ان تتمسك بشيء ظلنا منك بانه قد لا يتكرر

التفكير والتعلم