

جامعة المستقبل
كلية التقنيات والعلوم الصحية
قسم تقنيات البصريات

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Medical Terminology

Lecture : 2nd **Groups of Terms in Anatomy**

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Groups of Terms in Anatomy

The language of anatomy! It can feel like a foreign tongue, filled with unfamiliar words and cryptic abbreviations.

1. **Directional Terms:** These are your compass in the anatomical world, helping you pinpoint the location of structures relative to each other. Think of them as building a mental map of the body:

- **Superior/cranial:** Towards the head (think "supremacy" over the body).
- **Inferior/caudal:** Away from the head, like a tail trailing behind (cauda is Latin for tail).
- **Anterior/ventral:** Front of the body, like the anticipation of an event
- **Posterior/dorsal:** Back of the body, like leaning against a supportive structure (dorsum, Latin for back).
- **Medial:** Towards the midline, like the middle aisle of a church.
- **Lateral:** Away from the midline.
- **Proximal:** Closer to the origin or attachment point (think "proximity" to the center).
- **Distal:** Farther from the origin or attachment point, like the distant tips of your fingers.

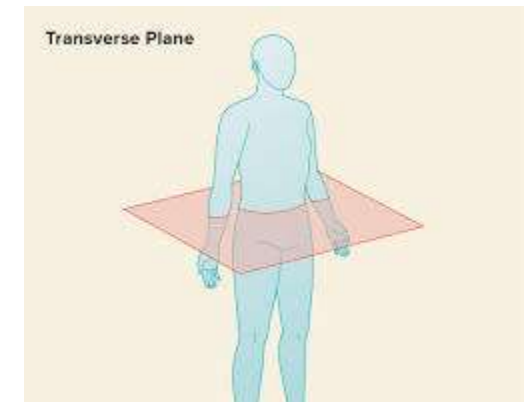
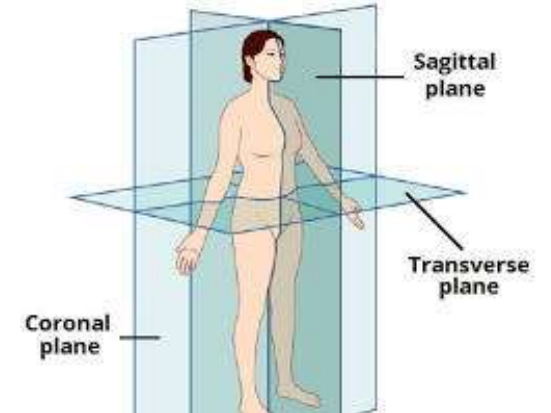
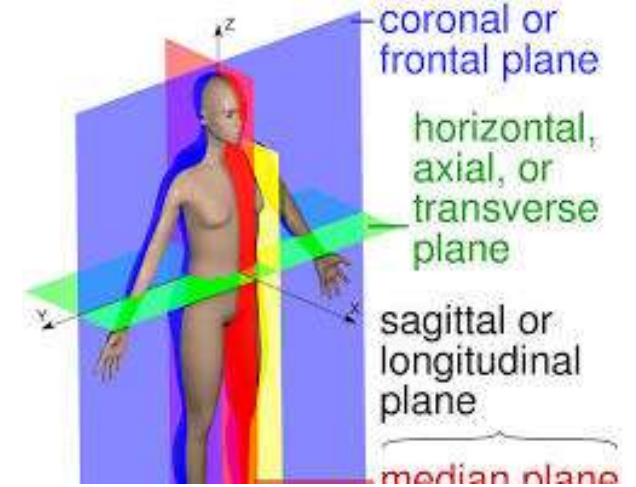
II-Planes & Sections:

Imagine slicing through a cake to see its layers. Planes in anatomy do the same, helping us visualize and describe the body in 3D:

Sagittal plane: Divides the body left and right, like a knife cutting through a loaf of bread.

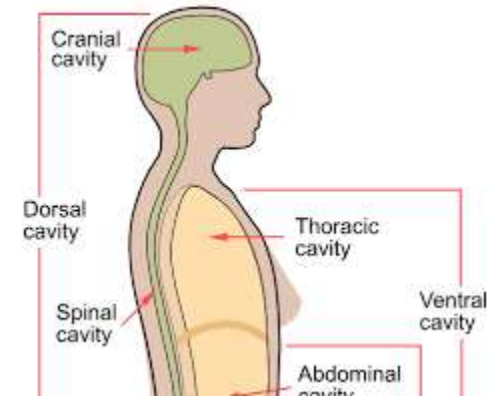
Coronal plane: Divides the body front and back, like slicing a birthday cake

Transverse plane: Divides the body top and bottom, like cutting a pizza horizontally



3. Body Cavities & Regions: Our internal organs need a cozy place to stay, and that's where cavities come in. Think of them as apartment buildings for your body's organs:

- Dorsal cavity: Houses the brain and spinal cord, like a penthouse for the nervous system.
- Ventral cavity: Divided further into the thoracic cavity (housing lungs and heart) and the abdominopelvic cavity (housing digestive organs and reproductive organs).

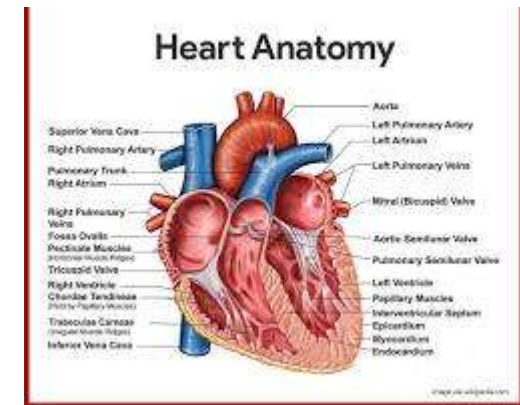


4. Organ Systems: These are the functional teams of the body, working together like a well-oiled machine:

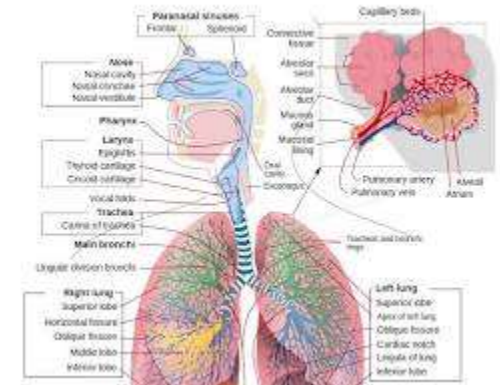
Musculoskeletal system: Bones, muscles, and joints, the body's framework and movers



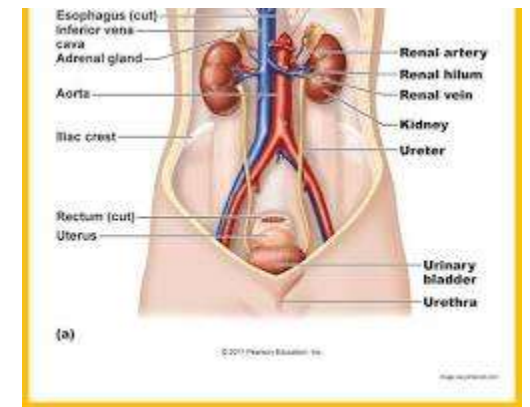
Cardiovascular system: Heart, blood vessels, and blood, the circulatory network that delivers oxygen and nutrients.



Respiratory system: Lungs, airways, and diaphragm, the team that ensures we breathe easy



- Urinary system: Kidneys, ureters, bladder, and urethra, the team that filters and eliminates waste.



- Reproductive system: Organs involved in reproduction, differing between males and females.



Remember, anatomy is a journey, not a destination. Embrace the new terms, visualize the structures, and connect them to their functions. Soon, you'll be navigating the body's blueprint like a seasoned cartographer, ready to diagnose, treat, and understand the human body in all its magnificent complexity.

thank
you