

Medical Terminology

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Example for Medical terms

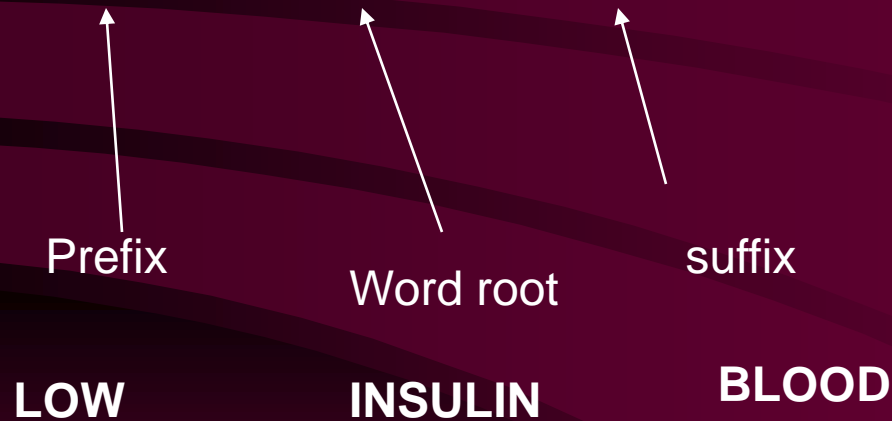
Leukocytopenia

Word Roots:	Leuk /	(white)
	cyt /	(cell)
Combining Vowel	/ o /	
Suffix:	/ penia	(decrease)

Example

Hypoinsulinemia

Hypo / insulin / emia



Notice that there is no combining vowel in this word because the prefix ends with a vowel and the suffix begins with a vowel.

- ✓ A combining vowel is used between a word root and a suffix that begins with a consonant (not a vowel).
- ✓ This is to make pronunciation easier.

Word root: scler / (hardening)

Suffix: / derma (skin)

Term: Scler / o / derma (hardening of the skin)

Word root

Word root

Combining vowel

Plurality

- To make a medical word plural (more than one), first look at the suffix.
- Then, choose the rule that changes the singular form to the plural form.

Singular & Plural Endings

➤ Word ends with “a”

- Vertebra ----- a to ae ----- Vertebrae ----- just add e

➤ Word ends with “x”

- Appendix ----- ix to ices appendices

- Apex ----- ex to ices apices

- Phalanx ----- nx to ges Phalanges

KEY = ix/ ex -to- ices
nx -to- ges

➤ Word ends with “is”

- diagnosis ----- is to es diagnoses

- testis ----- testes

- metastasis ----- metastases

❑ Word ends with “on” or “um” ----- just change to “a”

- Ganglion ----- ganglia
- Ovum----- ova
- Atrium -----atria

❑ Word ends with “us” ----- just change to “i”

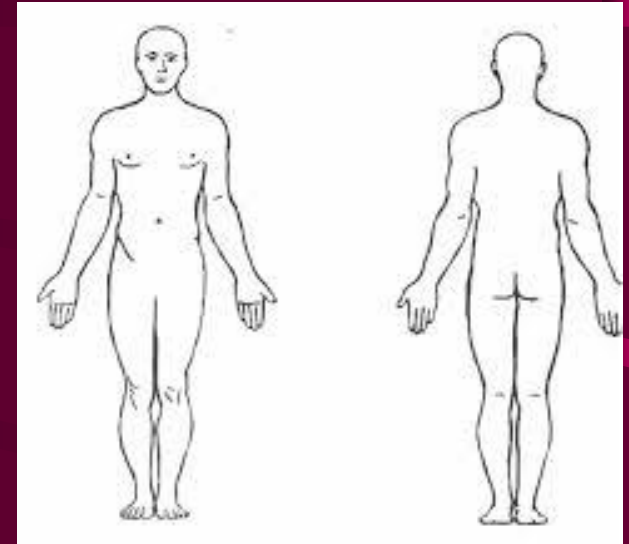
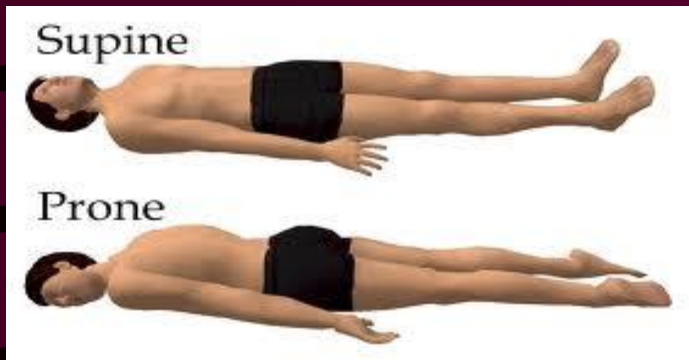
- Alveolus -----alveoli
- Nucleus -----nuclei

❑ Word ends with “ma” ----- just add “ta”

- Sarcoma ----- Sarcomata

Anatomic position

1. **Standing upright:** arms to sides, feet flat on the floor, face, palms, and toes forward



2. **Supine:** Lying on back, face and palms up.

3. **Prone position:** lying on abdomen, facing downward (head may be turned to one side)

4. Trendelenburg position: Lying on back with body tilted to that the head is lower then the feet



5. Dorsal Lithotomy Position: Supine with patient's buttocks at the end of the operating table, hips and knees up and feet strapped in supports.



Body Directions

proximal/distal

lateral /medial

cephalic/ caudal

superior/ inferior

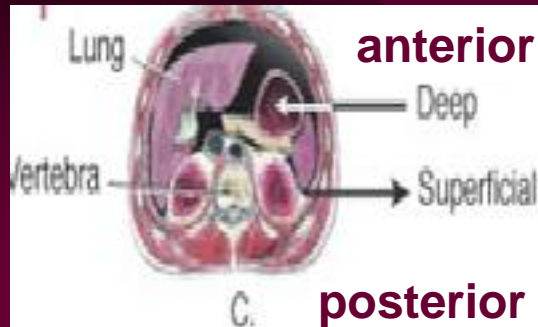
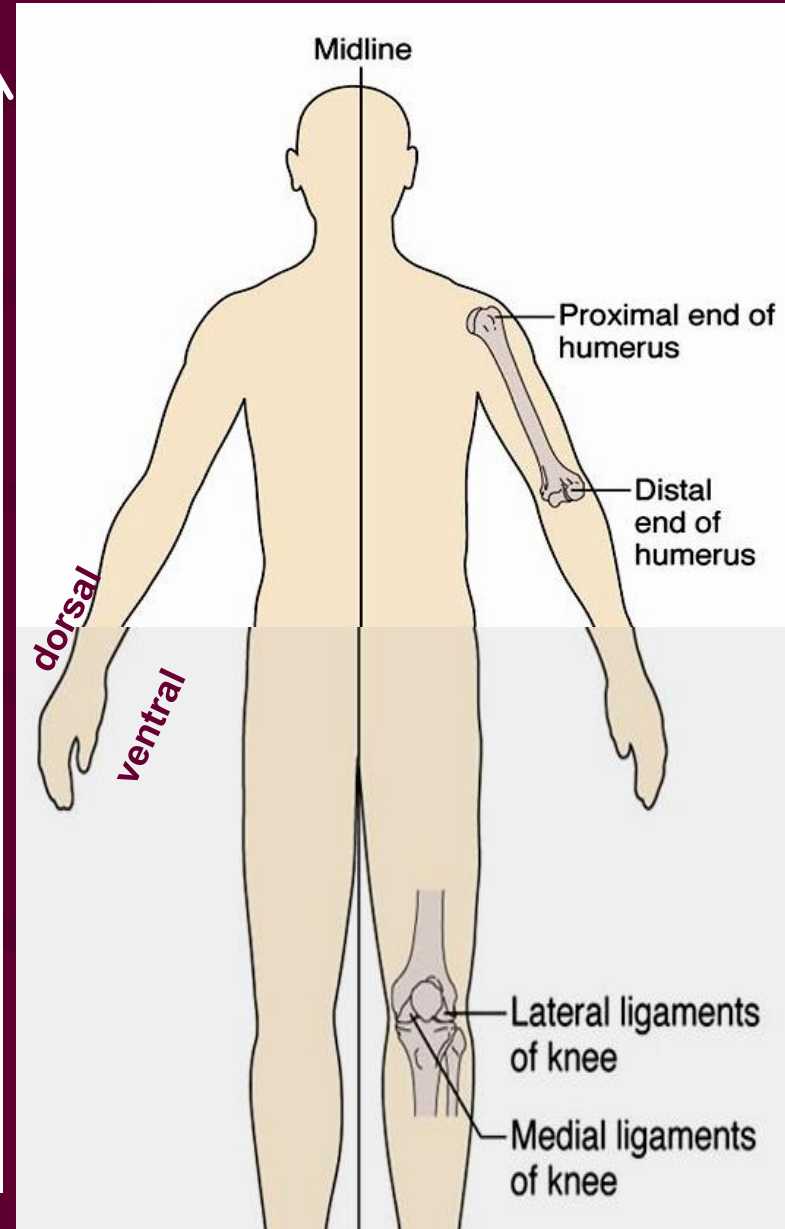
anterior/ posterior

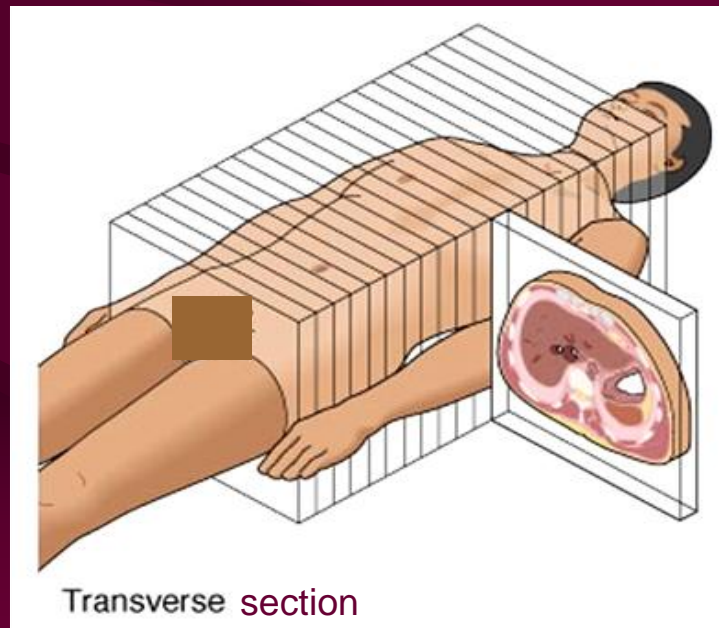
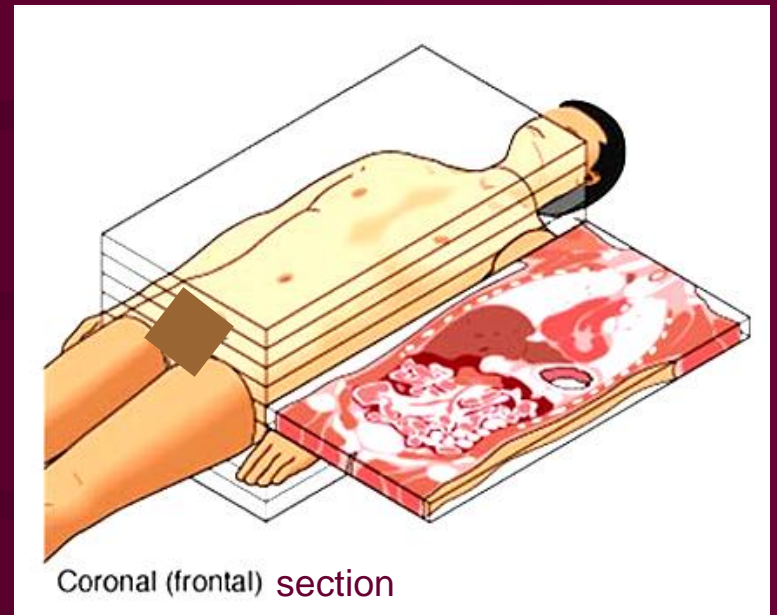
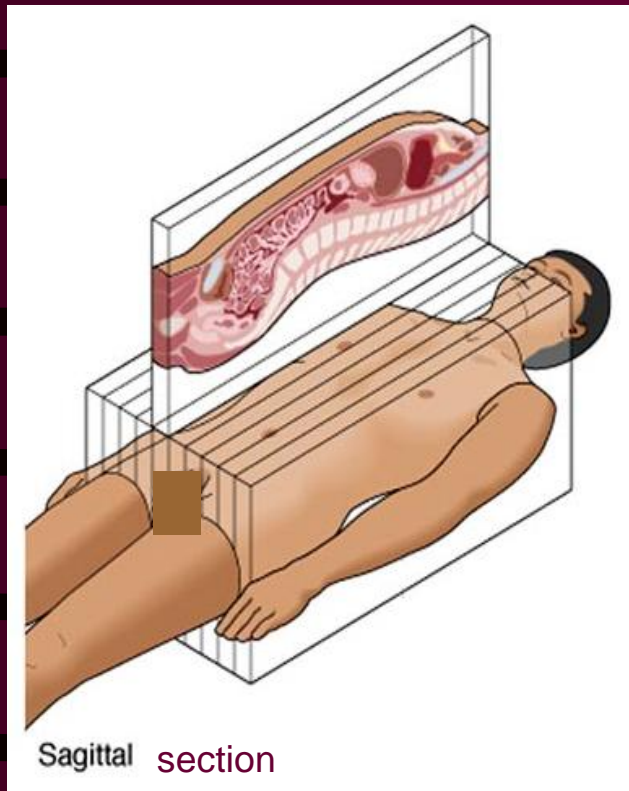
ventral/ dorsal

superficial/ deep

superior
cephalic

inferior
caudal





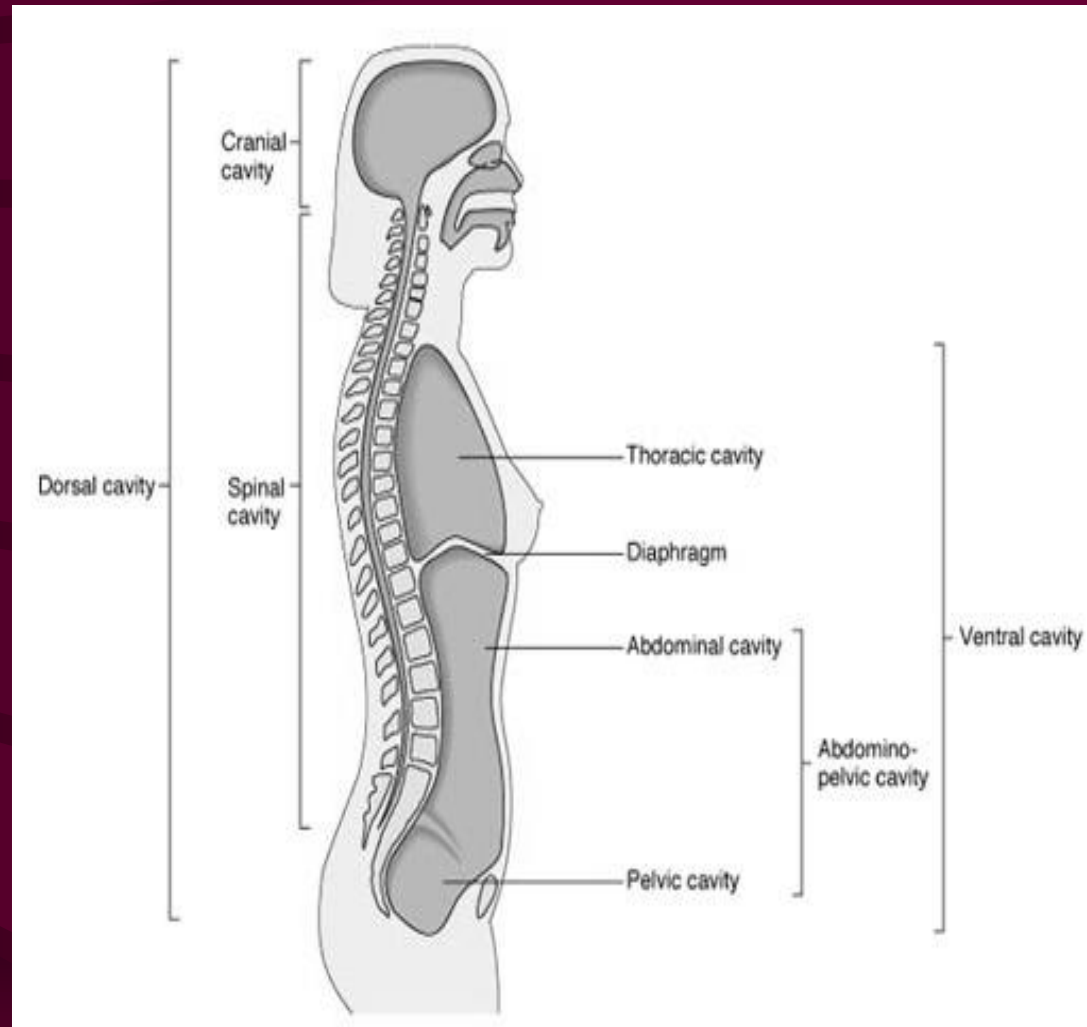
Body Cavities

Ventral Cavities:

- Thoracic:
 - Pleural
 - Pericardial
- Abdominopelvic
 - peritoneal
 - pelvic

Dorsal Cavities:

- Cranial
 - Spinal
- Layers of Meninges

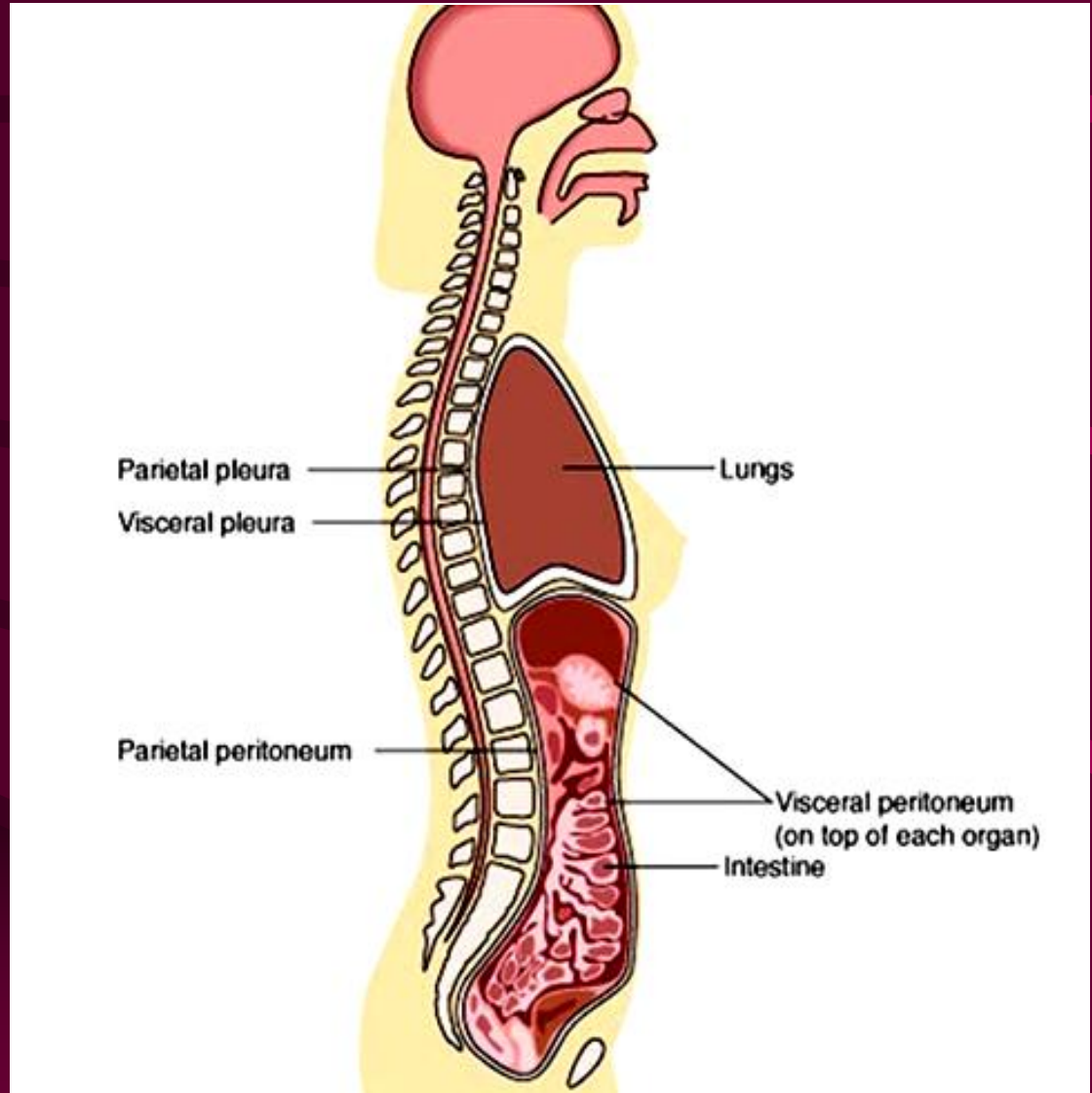


Membranes of Cavity

- Pleura
- Pericardium
- Peritoneum

- **Membranes**

- **Parietal (attached to wall)**
- **Visceral (attached to organ)**



THANK YOU