

# Introduction to anatomy

Dr jyoti kohli

# defination

- Anatomy is the science which deals with structural organization of the body.
- anatomy –derived from greek word ANATOMIE---means CUTTING UP.
- Firm foundation of whole art of medicine and introduces student to greater part of medical terminology.

# Studied under headings

- introduction
- history of anatomy
- anatomical language
- anatomy and subdivisions
- anatomical positions and body planes
- terms used to describe movements
- special terms for limbs.

# Anatomical language

- paris nomina anatomica (PNA) is internationally accepted terminology for anatomical descriptions.
- 5500 latin terms which are freely used with english words.

# Anatomy and its subdivisions

- **cadaveric** anatomy or gross anatomy—study done on dead bodies with naked eye , study of structure and interrelation of the parts of body by dissection.
  - regional anatomy
  - systemic anatomy
- osteology—skeletal system,
- myology--- muscular system,
- arthrology—articulatory system
- Angiology---vascular system
- Neurology—nervous system
- splanchnology—respiratory,digestive,endocrine systems.

# living anatomy

- study on living human beings
- by  
inspection, palpation, percussion, auscultation,  
endoscopy.
- radiography, bronchoscopy, gastroscopy,  
sigmoidoscopy, cystoscopy.

# applied or clinical anatomy

- the functional and clinical aspects of anatomy to provide a strong background to build clinical knowledge.
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# embryology or developmental anatomy

- study of prenatal developmental changes
- study of growth and development of fetus inside the uterus.



# neuroanatomy

- study of structure and organization of nervous system

## **Histology**

- study of tissues of the body under microscope.

## **Surface anatomy**

- study of deeper parts of body in relation of skin surface ,helpful in clinical practice and surgical procedures.

# genetics

- branch of science to study **heredity and variations.**

## **radiographic anatomy**

- study of deeper structures of body using radiographic techniques.

## **Sectional anatomy**

- Study of relationship of structures as visible in sections cut in different planes .

