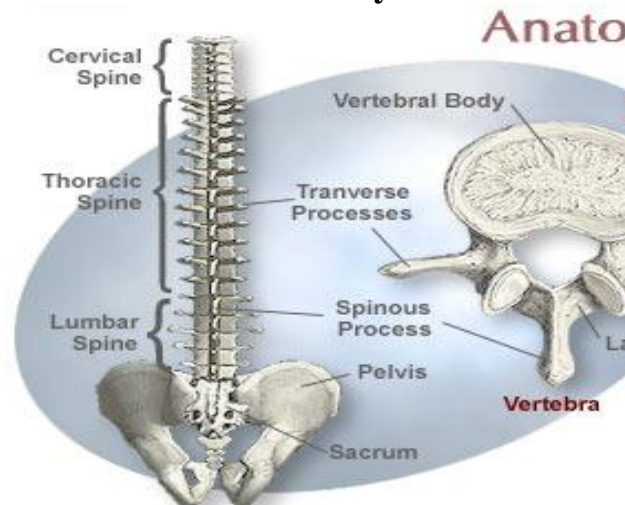


Lecture No . 8

**The Skeleton System**



**Oste/o = Bone**

*Osteon* = bone

Oste/o/pathy: disease of the bones

Doctor of Osteopathy (DO)

Oste/itis: inflammation of the bone

Oste/o/malac/ia: softening of the bones

Oste/oma, oste/o/mata: bone tumor

Oste/o/por/osis: deterioration of the bone matrix causing pores and weakness

*Poros* = passageway

Oste/o/sarc/oma: bone cancer

**Myel/o = Bone Marrow or Spinal Cord**

Encephal/o/myel/o/pathy: disease of the brain and spinal cord

Oste/o/myel/itis: inflammation of the bone and marrow

Myel/o/dys/plasia: defective formation of the spinal cord

Myel/o/cyt/ic: pertaining to myelocyte

Myel/o/cele: herniation of the spinal cord

Myel/o/blast: bone marrow germ cell

**Arthr/o = Joint**

Arthr/o/scope: An instrument used to look at joints

Arthr/o/scopy: procedure for examining the joints with arthroscope

Arthr/o/dys/plasia: defective formation of a joint

Arthr/o/plasty: surgical repair of a joint

Arthr/itis: inflammation of a joint

Oste/o/arthr/itis: inflammation and destruction of bone and joint tissue

Arthr/o/tomy: incision into a joint

**-plasia = development**

Hyper/plasia: Excessive development

Hypo/plasia: Deficient development

A/plasia: Failure of development

### **Ten/o, Tend/o, Tendin/o = Tendon**

Repair of the tendons:

Tend/o/plasty

Ten/o/plasty

Tendin/o/plasty

Inflammation of the tendons:

Tendon/itis

Tendin/itis

Tendon pain:

Ten/algia

Ten/o/dynia

### **Burs/o = Bursa**

A small serous sac between a tendon and a bone

*Bursa* = purse or bag

Burs/itis: inflammation of a bursa

Burs/ectomy: excision of a bursa

Burs/ae: (plural) more than one bursa

### **Chondr/o = Cartilage**

Oste/o/chondr/itis: inflammation of bone and cartilage

Chondr/ectomy: excision of cartilage

Pain in or around cartilage:

Chondr/algia

Chondr/o/dynia

Chondr/o/costal: pertaining to cartilage and ribs

Inter/chondr/al: between cartilages

Hypo/chondr/iac: below the cartilage. (also means one who has abnormal concern about one's health.)

### **Cost/o = Ribs**

Cost/ectomy: excision of a rib or ribs

Cost/al: pertaining to the ribs

Inter/cost/al: between the ribs

### **Dent = Teeth**

Inter/dent/al: between the teeth

Dent/al: pertaining to the teeth

Dent/algia: toothache

Dentoid: resembling a tooth

### **Odont/o = shaped like a tooth**

Orth/odont/ist: dentist who specializes in straightening teeth

Peri/odont/al: around or near the teeth