

# Ch. 6 and 7- The Skeletal System

28/01/2010

19:21:00

- ← Integumentary System Lecture → Friday January 29<sup>th</sup>, 2010 at 4:30 p.m. in lecture 3
- ← Session on Bones → Sunday January 31, 2010 at 1:00-3:15 in Room 300 third floor of the Medical School
- ←
- ← Lengthening of the bone at the diaphysis
- ← Epiphysis cannot increase in length but can increase in size and all of it becomes spongy bone
- ← Metaphysis- lengthens
- ←
- ← Bones- 206 but most on both sides
- ← 80 in axial skeleton
- ← 126 in appendicular skeleton
- ←
- ← skull= cranial +facial+ associated bones
- ← look at skull page on website → KNOW them all!!
- ← Foramen → do not need to know what goes through them but you need to know what bone they are in
- ← Will have diagrams on the test and not color coated
- ←

Lateral aspect

- sphenoid bone
  - o greater wing
  - o lesser wing

- Zygomatic arch
- Zygomatic bone- cheek bone
- Temporal bone
  - Squamous part- with squamous suture
    - Continues onto the zygomatic arch
    - Mandibular fossa
    - Articular tubercle- joint between mandible and skull- prevents the mandible from going forward and getting dislocated
  - Mastoid portion- behind ear
  - Tympanic- External auditory meatus and external canal
  - Styloid process → many broken off
- ← Frontal aspect
  - Frontal bone
    - Superior orbital foramen
  - Maxilla- pushing onto the edge of the nose
  - Hole of the anterior nasal aperture? (WTF?)
  - Septum- perpendicular plate of the ethmoid bone
  - Concha
  - Orbit socket
    - Frontal bone, zygomatic bone, and maxilla bone surrounds it
  - Mandible- body and ramus

Maxilla

- Palate- the hard palate
- Maxillary sinus
- Where teeth are- alveolar process
- Located in the face, orbit, oral cavity, and nasal cavity
- ← Palatine
  - Located in oral cavity and nasal cavity
  - Posterior to maxilla
  - Horizontal plate
  - Pull apart suture before ossified and crank on it in order to make more room in your mouth to keep them straight
- ← Ethmoid Bone
  - Located in nasal cavity orbit and cranial cavity
  - In center of skull
  - Perpendicular plate of the ethmoid- makes up nasal septum
  - Middle concha
- ← Sphenoid bone
  - Greater wing- looks like bats wings
  - Lesser wing on top of greater wing
  - Located in external-lateral nasal cavity, orbit, cranial cavity
- ← Temporal
  - Look at above for parts but added to (5 total)
  - Petrous part-