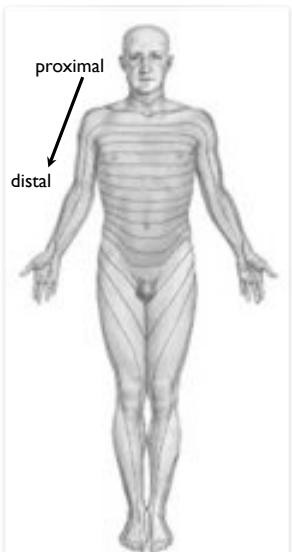


Lab 4

Bone
Ex 11, 13

1

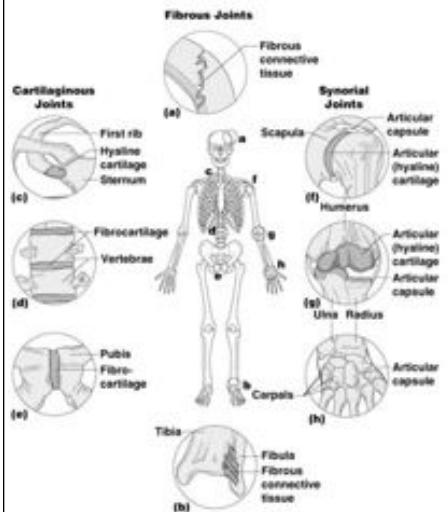
References



- proximal/distal
 - closer or further away

2

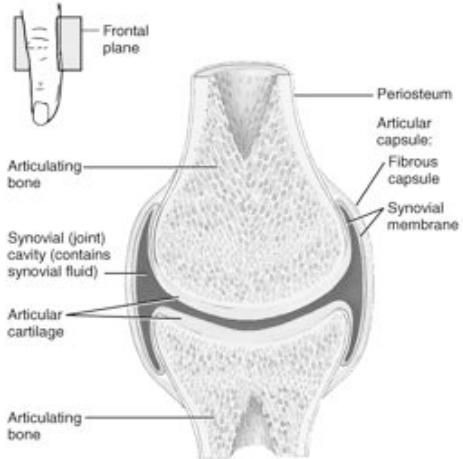
Joint Types



- Fibrous
 - skull suture
- Cartilaginous
 - ribs
 - vertebrae
- Synovial
 - most joints
 - wide range of motion
 - ligaments
 - bands that hold bones together

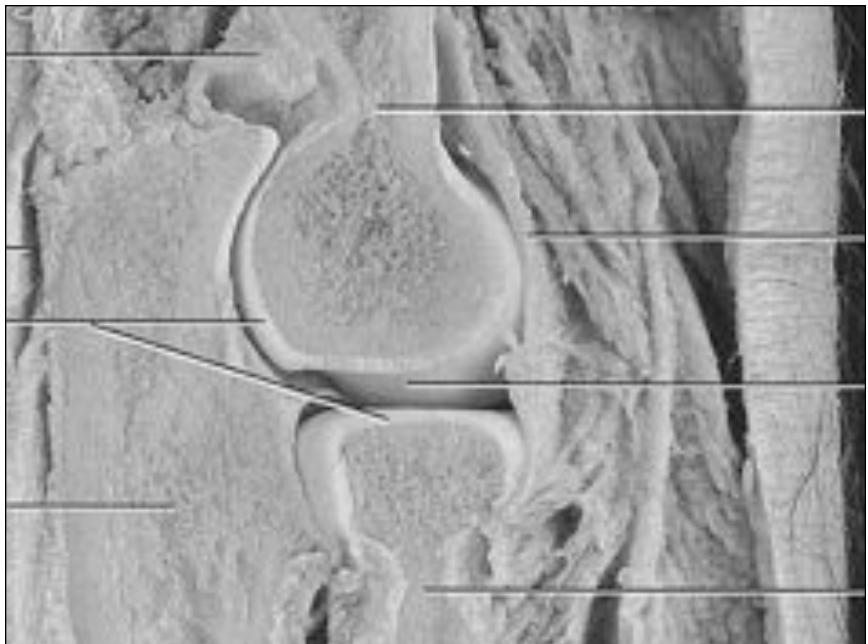
3

Synovial Joints



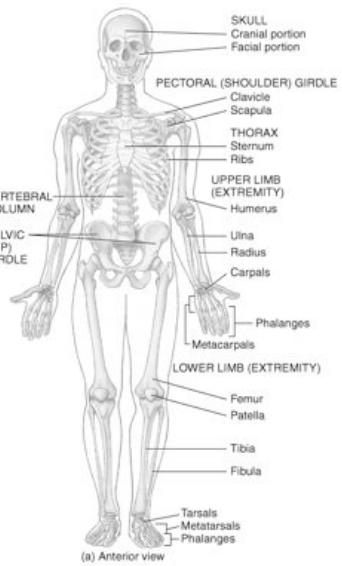
- Fibrous Capsule
- Synovial Membrane
 - secretes synovial fluid
- Joint Cavity
 - filled with synovial fluid
- Articular Cartilage
 - cartilage on bone ends
 - smooth surface for movement
- Ligaments
 - attach bones

4



5

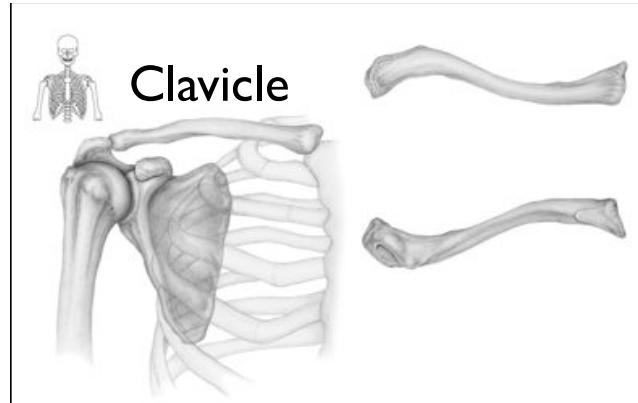
Skeletal System



- Appendicular Skeleton
 - pectoral and pelvic girdle
 - arms
 - legs

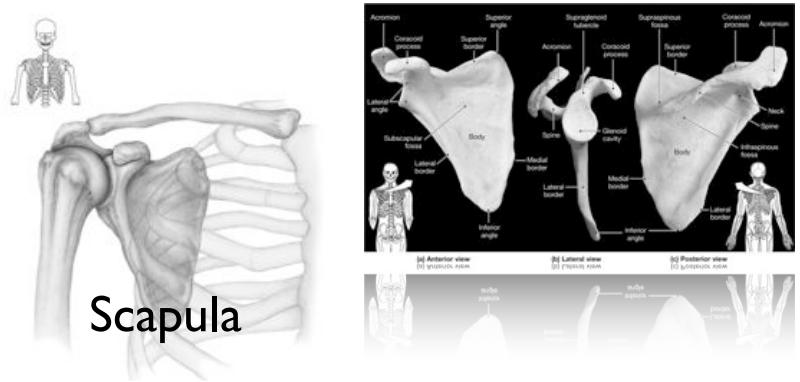
6

Pectoral Girdle

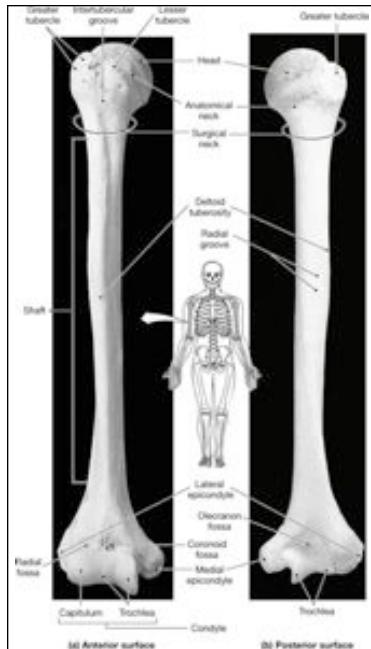


7

Pectoral Girdle



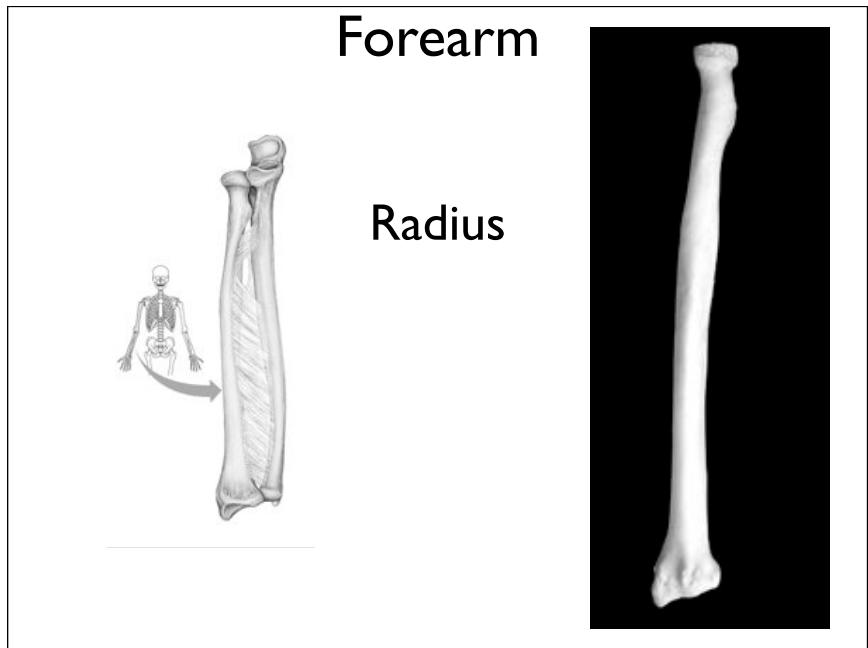
8



Arm

Humerus

9

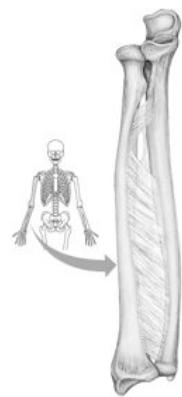


Forearm

Radius

10

Forearm



Ulna



11

Hand

Phalanges

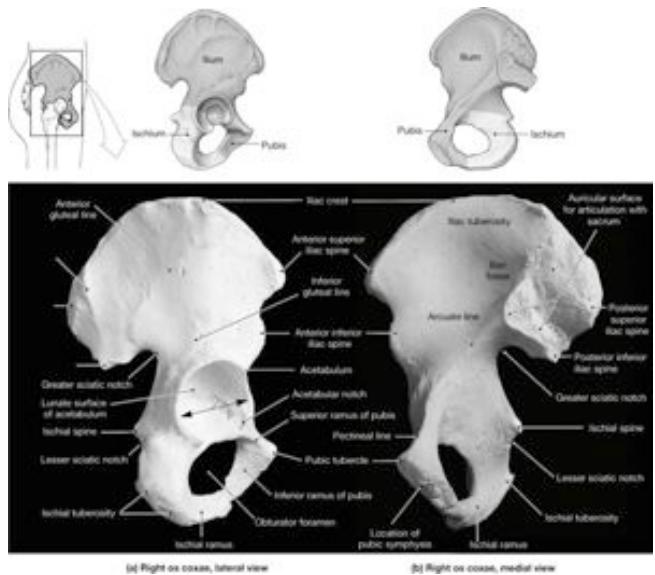
Metacarpals

Carpals



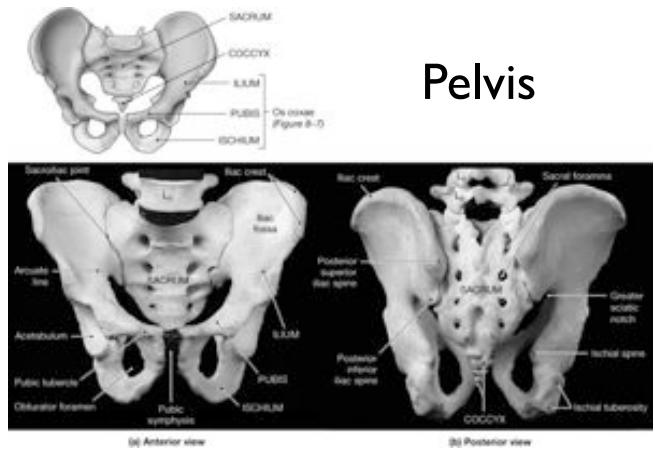
12

Pelvic Girdle



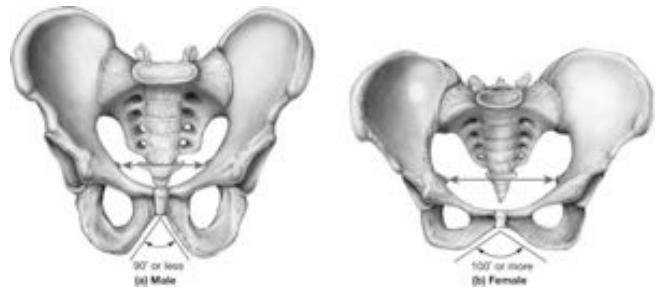
13

Pelvic Girdle



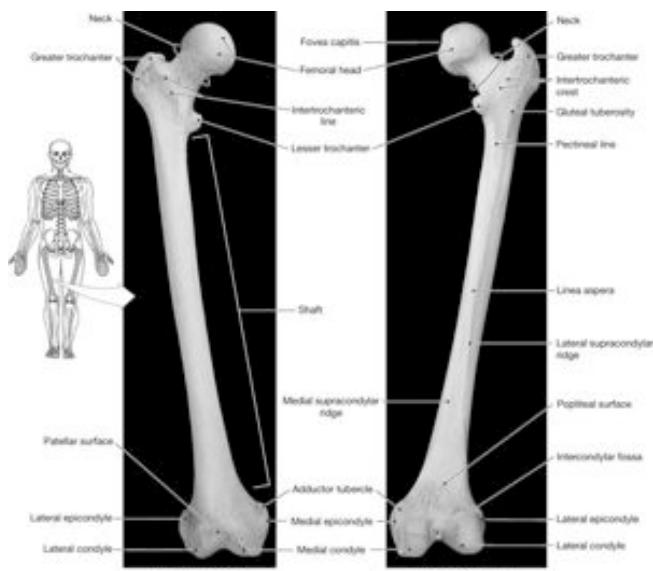
14

Male and Female



15

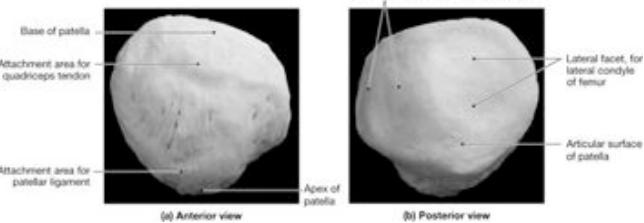
Leg



Femur

16

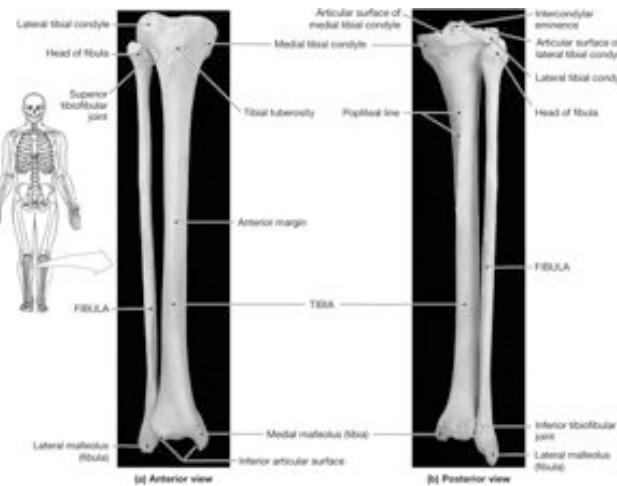
Leg



Patella

17

Leg



Tibia

Fibula

18

Foot

Phalanges

Metatarsals

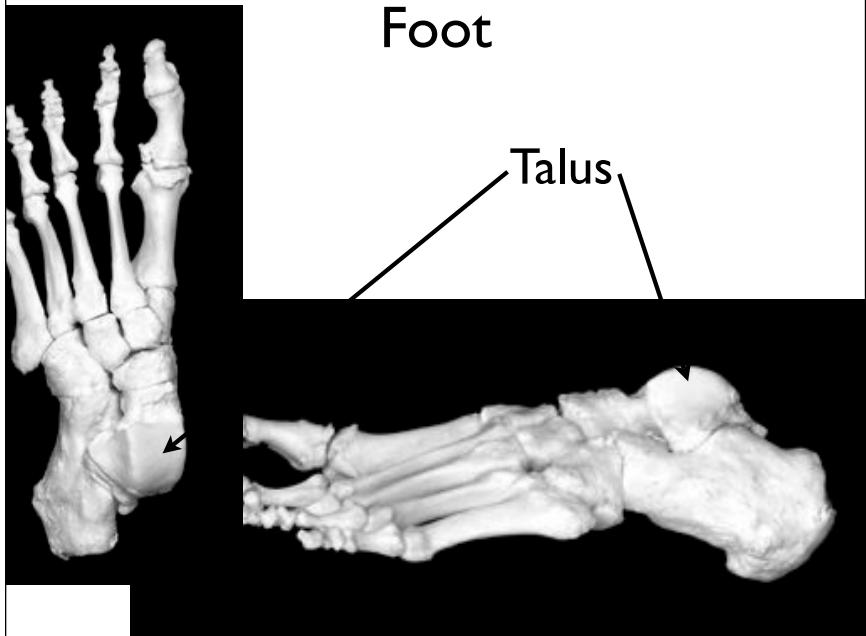
Tarsals



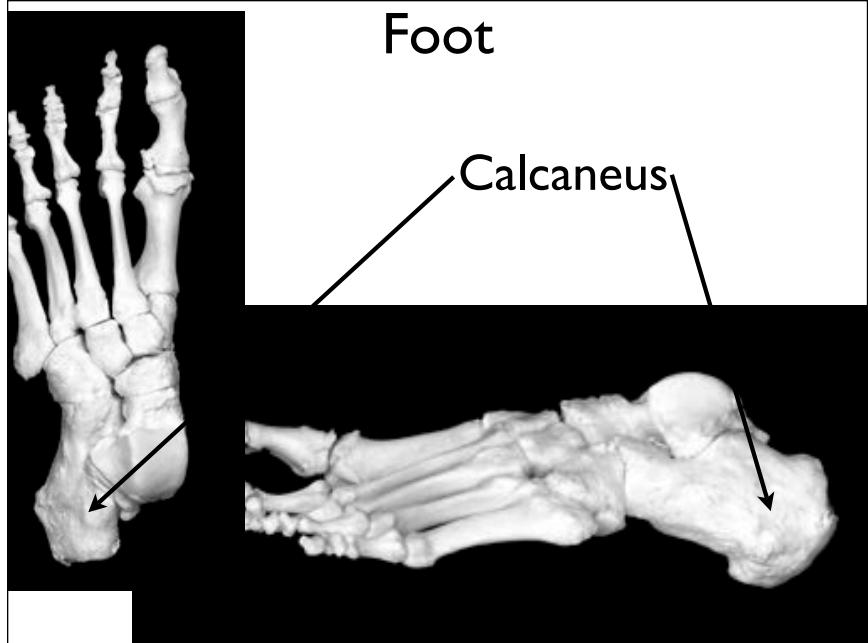
19

Foot

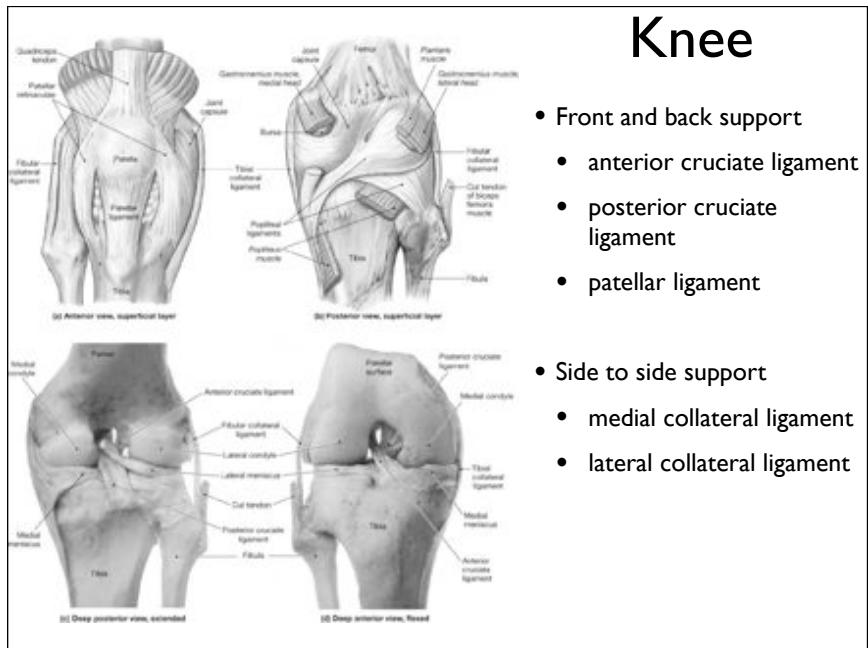
Talus



20



21



22

Joint Types



Gliding



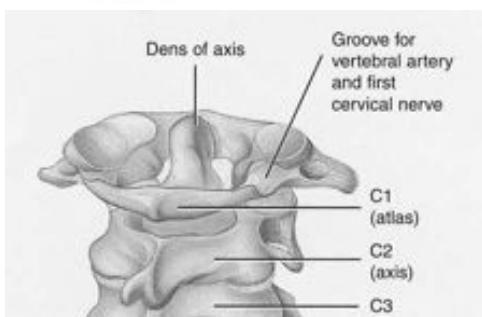
Hinge

23

Joint Types

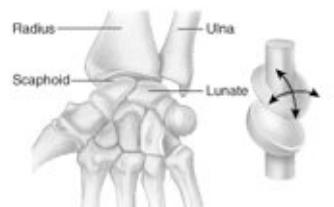


Pivot

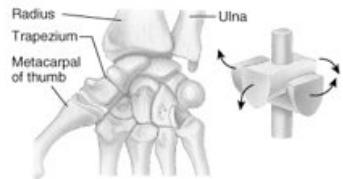


24

Joint Types



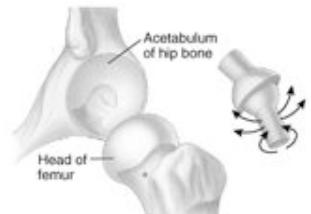
Ellipsoidal



Saddle

25

Joint Types



Ball and Socket

26