

Skeletal System pt 2

Bio 250 College of San Mateo
Compiled from Marieb's Human Anatomy & Physiology

The Appendicular Skeleton

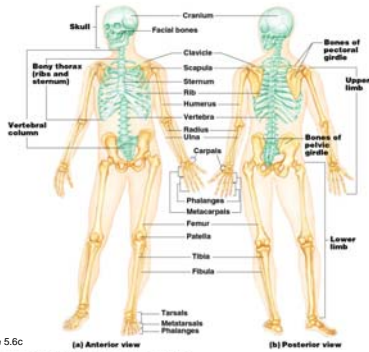


Figure 5.6c

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Slide 5.32b

The Pectoral (Shoulder) Girdle

- Composed of two bones
 - Clavicle – collarbone
 - Scapula – shoulder blade
- These bones allow the upper limb to have exceptionally free movement

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Bones of the Upper Limb

- The forearm has two bones
 - Ulna
 - Radius

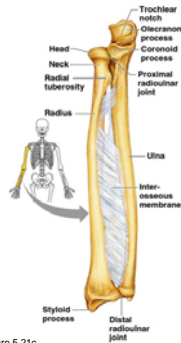


Figure 5.21c

Slide 5.35b

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Bones of the Upper Limb

- The hand
 - Carpals – wrist
 - Metacarpals – palm
 - Phalanges – fingers



Figure 5.22

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Bones of the Pelvic Girdle

- Hip bones
- Composed of three pair of fused bones
 - Ilium
 - Ischium
 - Pubic bone
- The total weight of the upper body rests on the pelvis
- Protects several organs
 - Reproductive organs
 - Urinary bladder
 - Part of the large intestine

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The Pelvis

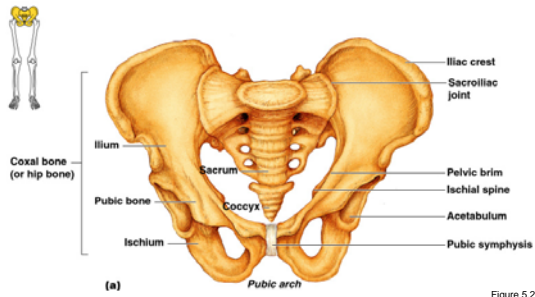


Figure 5.23a

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The Pelvis

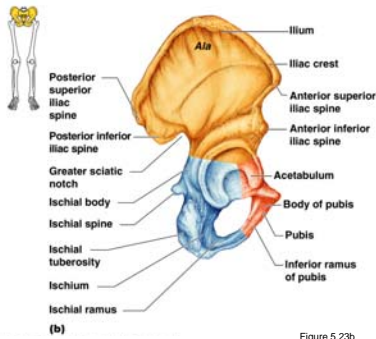


Figure 5.23b

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Gender Differences of the Pelvis

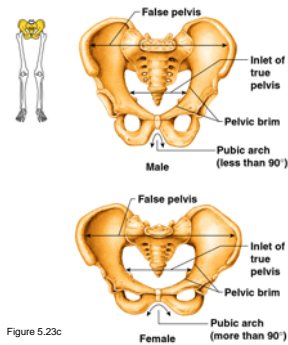


Figure 5.23c

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Bones of the Lower Limbs

- The thigh has one bone
- Femur – thigh bone

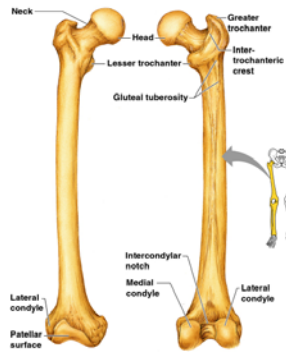


Figure 5.35a, b

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Slide 5.40a

Bones of the Lower Limbs

- The leg has two bones
- Tibia
- Fibula

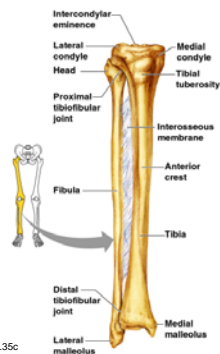


Figure 5.35c

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Bones of the Lower Limbs

- The foot
- Tarsus – ankle
- Metatarsals – sole
- Phalanges – toes



Figure 5.25

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Arches of the Foot

- Bones of the foot are arranged to form three strong arches
- Two longitudinal
- One transverse



Figure 5.26

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Functional Classification of Joints, Next show

- Synarthroses – immovable joints
- Amphiarthroses – slightly moveable joints
- Diarthroses – freely moveable joints

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