

Anatomy and Physiology Lab

Anatomical Features of Bones

Instructor: Cliff Belleau

Articulations

Condyle -----	A rounded knob that articulates with another bone (occipital condyles of the skull, medial condyle of femur, medial condyle of tibia, mandibular condyle)
Facet -----	A smooth, flat slightly concave or convex articular surface (articular facet of the vertebrae)
Head -----	The prominent expanded end of a bone, sometimes rounded (head of femur, head of the fibula)

Extensions and Projections

Crest -----	A narrow ridge (iliac crest)
Epicondyle -----	An expanded region superior to a condyle (medial and lateral epicondyle of the femur)
Line -----	A slightly raised, elongated ridge (nuchal lines of the skull)
Process -----	Any bony prominence (mastoid process, palatine process, styloid process, transverse process, coracoid process, coronoid process of ulna, coronoid process of mandibula, olecranon process)
Protuberance -----	A bony outgrowth or protruding part (mental protuberance of the chin)
Spine -----	A sharp, slender, or narrow process (mental spines of the mandible, anterior superior and inferior iliac spine, ischial spine, posterior superior and inferior spine, spinous process of vertebra)
Trochanter -----	Two massive processes “unique” to the femur
Tubercle -----	A small, rounded process (greater tubercle of the humerus)
Tuberosity -----	A rough elevated surface (tibial tuberosity)

Depressions

- Alveolus ----- A pit or socket (tooth socket)
- Fossa ----- A shallow, broad, or elongated basin (mandibular fossa, cranial fossas, hypophyseal fossa, coronoid fossa of humerus, olecranon fossa)
- Sulcus ----- A groove for a tendon, nerve, or blood vessel (intertubercular sulcus of the humerus)

Passages and Cavities

- Canal ----- A tubular passage or tunnel in a bone (auditory canal of the skull)
- Fissure ----- A slit through a bone (orbital fissures behind the eye)
- Foramen ----- A hole through a bone, usually round (foramen magnum of the skull)
- Meatus ----- An opening into a canal (external acoustic meatus of the ear)
- Sinus ----- An air-filled space in a bone (frontal sinus, ethmoid sinus, mandibular sinus, maxillary sinus, sphenoid sinus, mastoid sinus)