**المحاضرة الحادي عشر/ التشريح والفسلجه / قسم هندسة الاجهزة الطبية**

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**Lec. 11 / Anatomy and Physiology**

**Articulations or Joints : There are 360 Joints in the adult human .**

**Joint : It is a part of the body where two or more bones meet to allow movement .**

**Anatomical Classification of joints :**

**1 – Joints of hand 2 – Elbow joint**

**3 – Wrist joint 4 – Axillary joint**

**5 – Sterno-clavicular joint 6 – Vertebral articulation**

**7 – Temporo-mandibular joint 8 – Sacro-iliac joint**

**9 – Hip joint 10 – Knee joint**

**11 – Articulation of foot .**

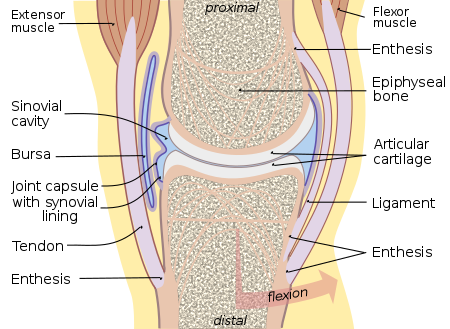
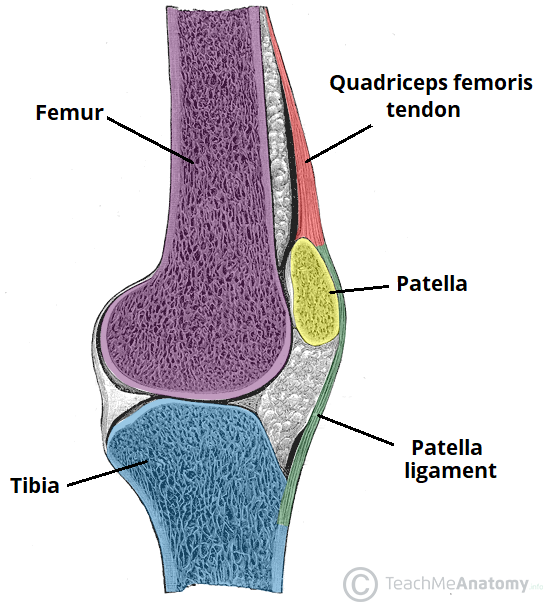
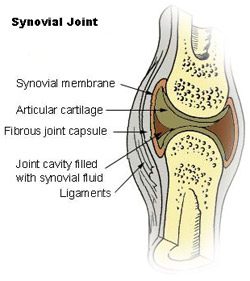
**Histological classification of joints :**

**1 – Fibrous joints : Skull bones joined by dense regular connective tissue ( suture collagen fibers ) permit little or no mobility .**

**2 – Cartilagenous joints : inter-vertebral disc , slight mobility .**

**3 – Synovial joints : The most common types of joint , compose synovial cavity , contain synovial fluid enclosed synovial membrane associated with ligaments , like shoulder , hip joint , knee joint .**

**4 – Facet joints : These joints between two articular processes between two vertebrates .**



**Arthritis : Inflammation of joints .**

**Rheumatiod arthritis (Rheumatism ) ; special type of arthritis / autoimmune disease .**

**Fractures of bones**

