

المحاضرة الثالثة / التشريح والفسلجة / قسم هندسة الاجهزة الطبية

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Lec. 3 / 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 .

**Most Important joints in Human Body :**

1 – Joints of hand                      2 – Elbow joint

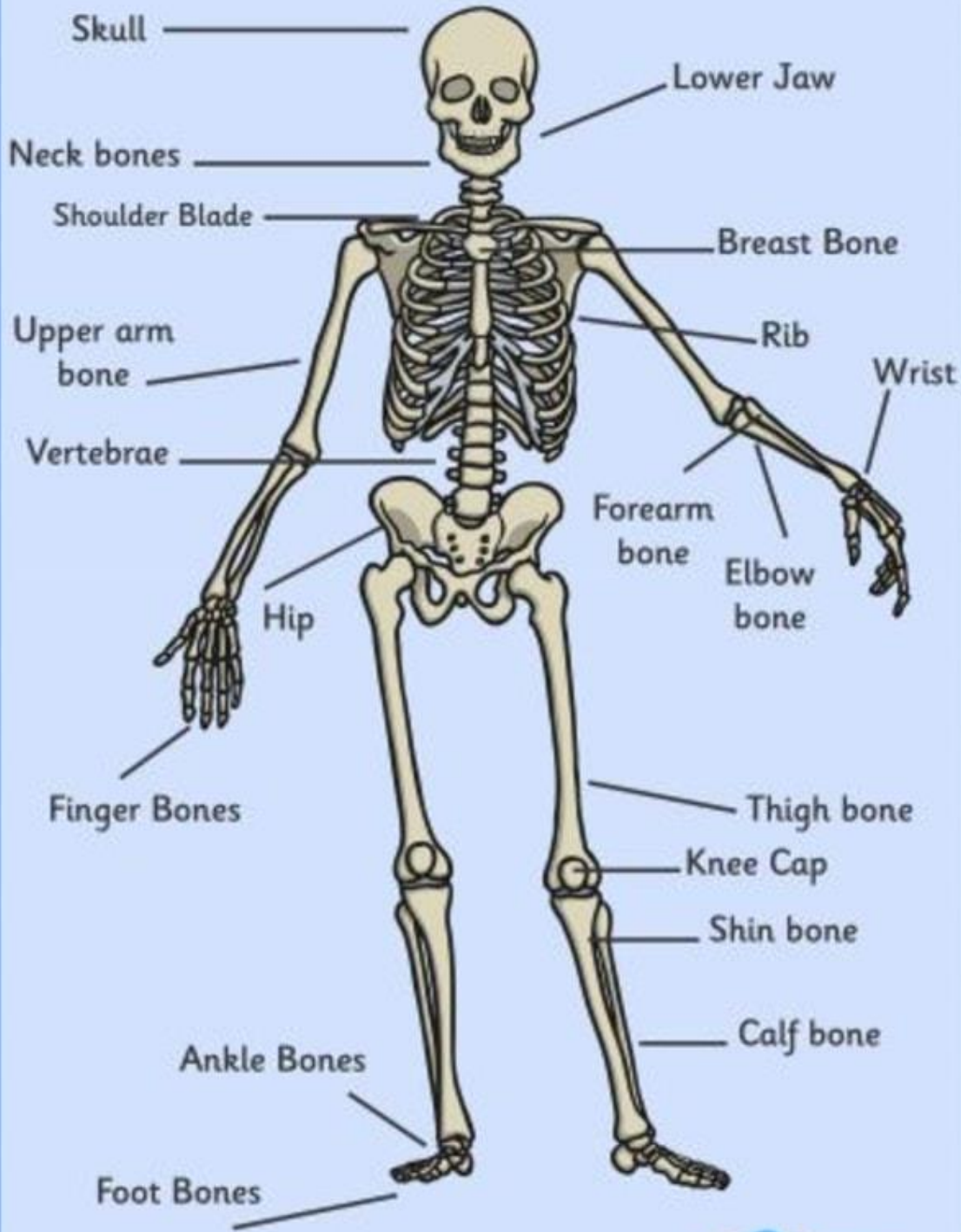
3 – Wrist joint                              4 – Axillary joint

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

# The Human Skeleton



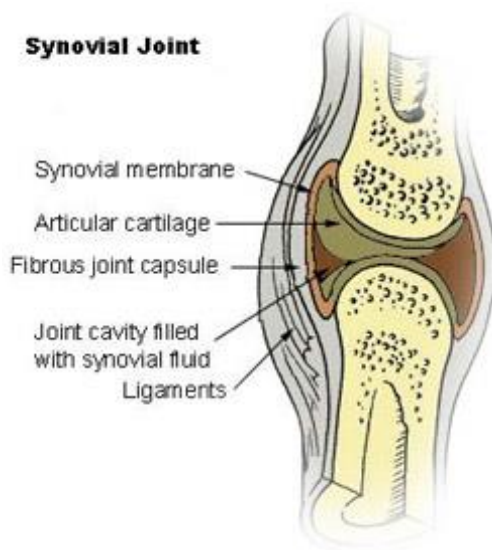
## Anatomical classification of joints :

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

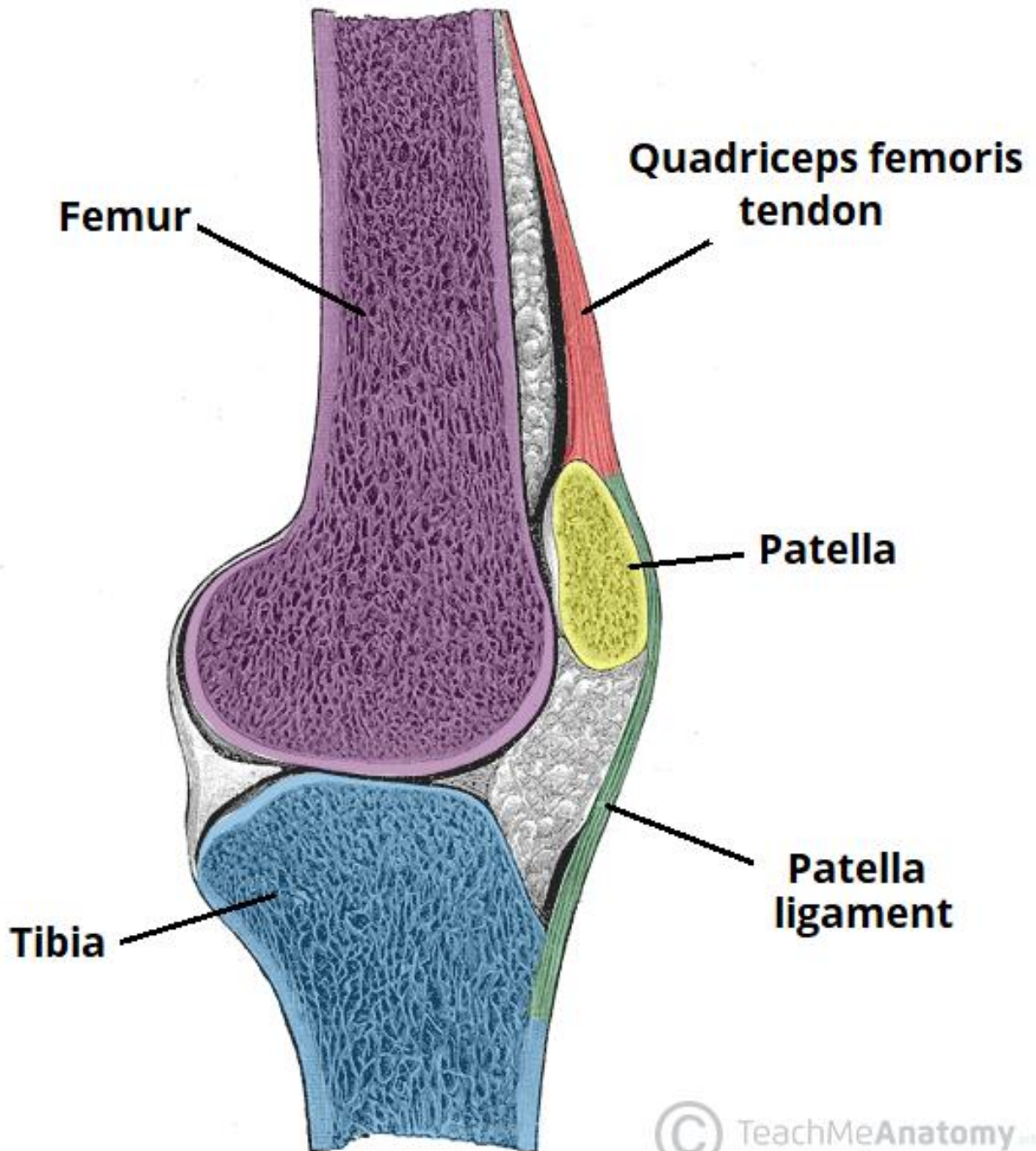
2 – Cartilagenous joints : inter-vertebral disc , slight mobility .

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 .



**a**

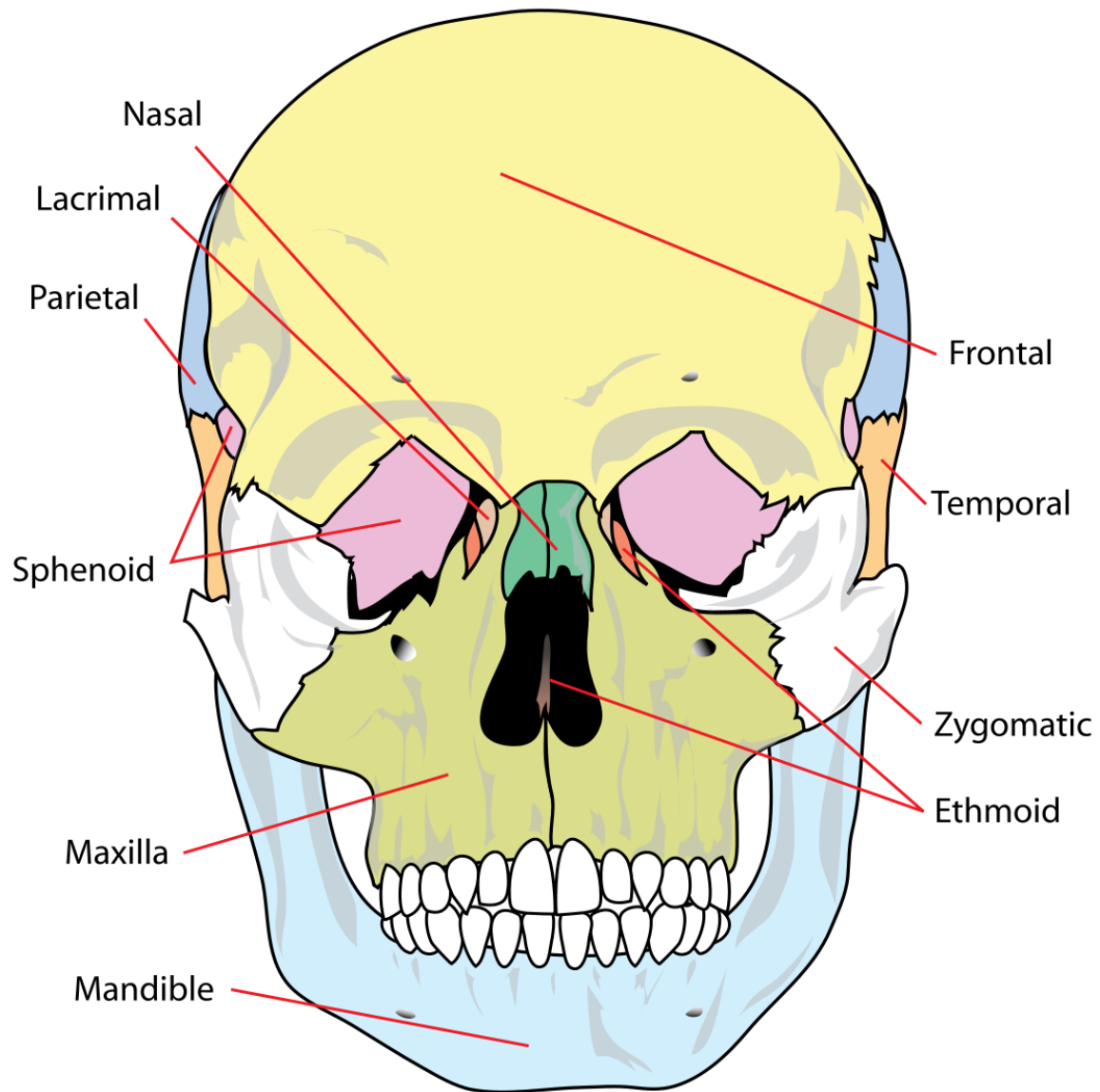


**Diseases of Joints :**

**1 - Arthritis : Inflammation of joints .**

**2 - Rheumatoid arthritis (Rheumatism) ; special type of arthritis / autoimmune disease .**

**3 - Fractures of bones .**



# Projectional radiography

