

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

# CLINICAL POINTS OF THE UPPER LIMB

# Mammary Gland

- **Retracted nipples** recent retraction of the nipples indicates cancer breast that pulls the lactiferous ducts.
- **Dimpling of the skin** (orange peel appearance) indicates scirrhous carcinoma (cancer breast) or abscess that pulls the suspensory ligaments of the breast.
- **Mastectomy** means surgical removal of the mammary gland. It may be simple or radical according to the spread of the tumor and the type of cancer cells.

# Fracture of the Humerus

- **At surgical neck** may cause injury to the axillary nerve and circumflex humeral arteries (anterior and posterior).
- **At the spiral groove** may cause injury to the radial nerve and profunda brachii artery.
- **At medial epicondyle** may cause injury to the ulnar nerve and ulnar collateral arteries (superior and inferior).
- **At the lower end** common in children and may cause injury to the median, ulnar and radial nerve.

# Tenosynovitis of the flexor tendons

- It means infection of the synovial sheath caused by a small penetrating wound.
- Infection of the digital sheaths causes swelling and flexion of the affected finger.
- The infection of digital sheath of the little finger may spread to the ulnar bursa.
- The infection of digital sheath of the ring finger may spread to the midpalmar space.
- The infection of digital sheath of the middle finger may spread to the thenar and midpalmar spaces.
- The infection of digital sheath of the index finger may spread to the thenar space.
- The infection of digital sheath of the thumb may spread to the radial bursa.

# Palpation of the arterial pulsation

- **3<sup>rd</sup> part of axillary artery:** felt in the axilla in front of the teres major muscle.
- **Brachial artery:** can be palpated on the brachialis muscle.
- **The radial artery:** in front of the distal end of the radius between tendons of brachioradialis and flexor carpi radialis.
- **The ulnar artery:** in front of the distal end of the ulna between tendons of flexor carpi ulnaris and flexor digitorum superficialis **OR** in front of the flexor retinaculum, lateral to the pisiform bone and to the ulnar nerve.

**THANK YOU**