

OTA 106 Regional A & P Unit 3

Upper and Lower Extremities

GBlevins/Fall 2015



Elbow (humeroulnar) Joint

A. Ligaments:

Articular capsule
Radial annular ligament
Interosseous membrane

Ulnar collateral ligament
Radial collateral ligament

B. Bursae:

Subcutaneous Olecranon bursa
Intratendinous olecranon bursa

Subtendinous olecranon bursa

C. Cartilage:

Articular cartilage

D. Articular capsule:

Synovial membrane

Fibrous layer

E. Bones:

Humerus:

Capitulum
Olecranon fossa
Medial epicondyle

Trochlea
Coronoid fossa
Lateral epicondyle

Ulna:

Olecranon process
Coronoid process
Ulnar tuberosity

Trochlear notch
Radial notch
Styloid process

Radius:

Head
Radial tuberosity
Ulnar notch

Neck
Styloid process

F. Clinical concerns:

Tennis elbow

G. Surface Anatomy:

Lateral epicondyle
Radial styloid process
Olecranon

Medial epicondyle
Ulnar styloid process
Cubital fossa

Carrying angle

H. Muscles: (Use upper extremity list for details on muscles)

Biceps	Triceps
Brachialis	Brachioradialis
Supinator	Pronator teres
Pronator quadratus	Flexor carpi radialis
Flexor carpi ulnaris	Extensor carpi radialis longus
Extensor carpi radialis brevis	Extensor digitorum
Palmaris longus	Flexor digitorum superficialis
Flexor digitorum profundus	

I. Nerves:

Median nerve	Ulnar nerve
Radial Nerve	Musculocutaneous nerve

J. Arteries:

Brachial artery	Ulnar artery
Radial artery	Deep brachial artery
Recurrent interosseous artery	Anterior interosseous artery
Posterior interosseous artery	

K. Veins:

Cephalic vein	Basilic vein
Median antebrachial vein	Median cubital vein
Brachial vein	

