Equator University of Science and Technology

Anatomy Department

Course: Anatomy of the limbs

Tutorial (3)

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1. A 22-year-old man falls on his outstretched hand. The olecranon is prominent posteriorly. Diagnosis and possible complications?

2. A 36-year-old tennis coach complains of progressive pain over the outer side of his right elbow for 3 months. The pain radiates down the lateral forearm and worsens when he grips his racket or shakes hands firmly. On examination, there is tenderness at the lateral epicondyle, and resisted wrist extension reproduces the pain. Diagnosis?

3. A 42-year-old amateur golfer reports pain on the inner side of his right elbow that started after frequent practice swings. The pain radiates along the anterior forearm and is aggravated by throwing and lifting heavy objects. On examination, there is tenderness over the medial epicondyle, and resisted wrist flexion and forearm pronation reproduce the pain. Diagnosis?

4. A 25-year-old man sustains trauma to the forearm. X-ray shows fracture of the proximal ulna with dislocation of the radial head. Diagnosis?

5. A 30-year-old man falls on an outstretched hand. X-ray shows fracture of the distal radius with dislocation of the distal radioulnar joint. Diagnosis?

6. A 19-year-old man with forearm crush injury develops severe pain, tense swelling, and numbness of the fingers. Diagnosis?

7. A 45-year-old typist complains of forearm pain, tingling, and numbness in the lateral three and a half fingers. Diagnosis?

8. A 35-year-old construction worker sustains a deep cut just behind the medial epicondyle. He develops clawing of the medial two fingers and loss of sensation over the medial hand. Diagnosis?

9. A 40-year-old woman complains of difficulty holding objects between her thumb and index finger. She cannot make an “OK sign” due to weakness of flexor pollicis longus and flexor digitorum profundus (index). Diagnosis?

10- A 50-year-old man requires arterial blood sampling. Where should the nurse insert the needle to reach the radial artery?