Equator University of Science and Technology

Anatomy Department

Course: Anatomy of the limbs

Tutorial (2)

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1. A 3-day-old newborn delivered with shoulder dystocia presents with the left arm adducted, medially rotated, and extended at the elbow ("waiter's tip" posture). The grasp reflex is intact. Diagnosis?

2. A 28-year-old woman sustains a fall while hanging from a tree branch. She presents with weakness of the intrinsic hand muscles and clawing of the fingers. She also has sensory loss along the medial forearm and hand. Diagnosis?

3. A 42-year-old man falls asleep drunk with his arm draped over a chair. On waking, he cannot extend his wrist or fingers and has numbness over the dorsum of the hand. Diagnosis?

4. A 27-year-old motorcyclist sustains a humeral shaft fracture. He presents with wrist drop and loss of sensation over the dorsal web space between thumb and index finger. Diagnosis?

5. A 10-year-old boy falls on an outstretched hand. X-ray shows a displaced supracondylar fracture. He develops severe forearm pain, pallor, and absent radial pulse. Diagnosis?

6. A 55-year-old man lifting a heavy object hears a sudden "pop" in his arm. Examination reveals a bulge in the anterior arm ("Popeye deformity") and weakness of forearm supination. Diagnosis?

7. A 32-year-old man is stabbed in the upper arm. He has weakness of elbow flexion and supination, and sensory loss over the lateral forearm. Diagnosis?

8. A 40-year-old nurse attempts to draw blood from the median cubital vein. The patient develops sudden pain and numbness in the lateral forearm. Diagnosis?

9. A 19-year-old man presents with profuse bleeding after a deep knife wound in the cubital fossa. Distal pulses are absent. Diagnosis?

10. A 25-year-old man suffers a penetrating wound at the cubital fossa. He presents with loss of forearm pronation, thenar muscle wasting, and inability to flex the index and middle fingers (hand of benediction). Diagnosis?