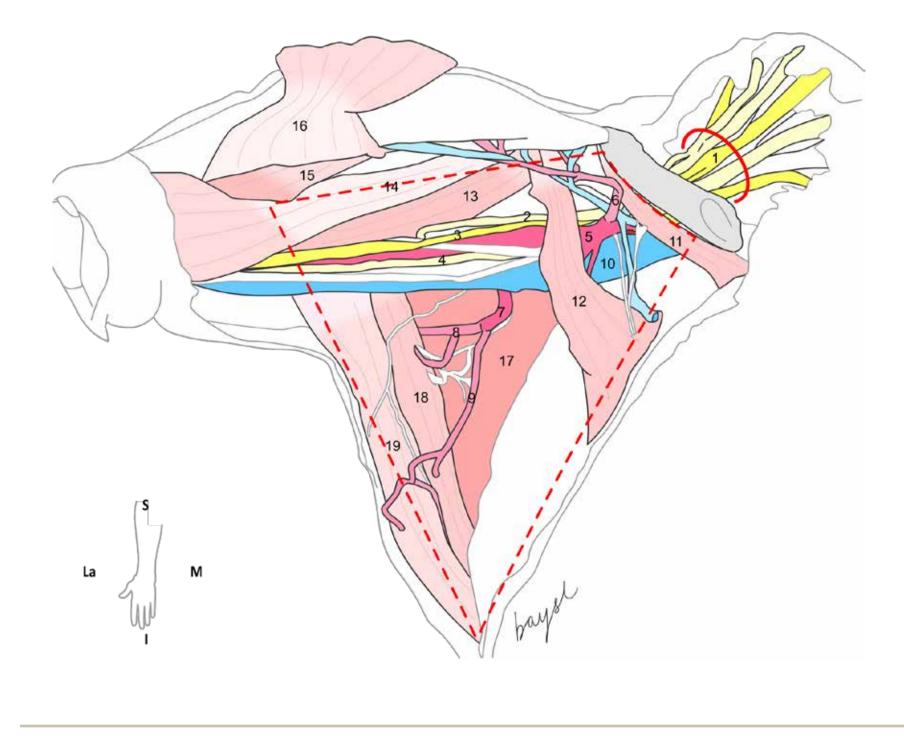
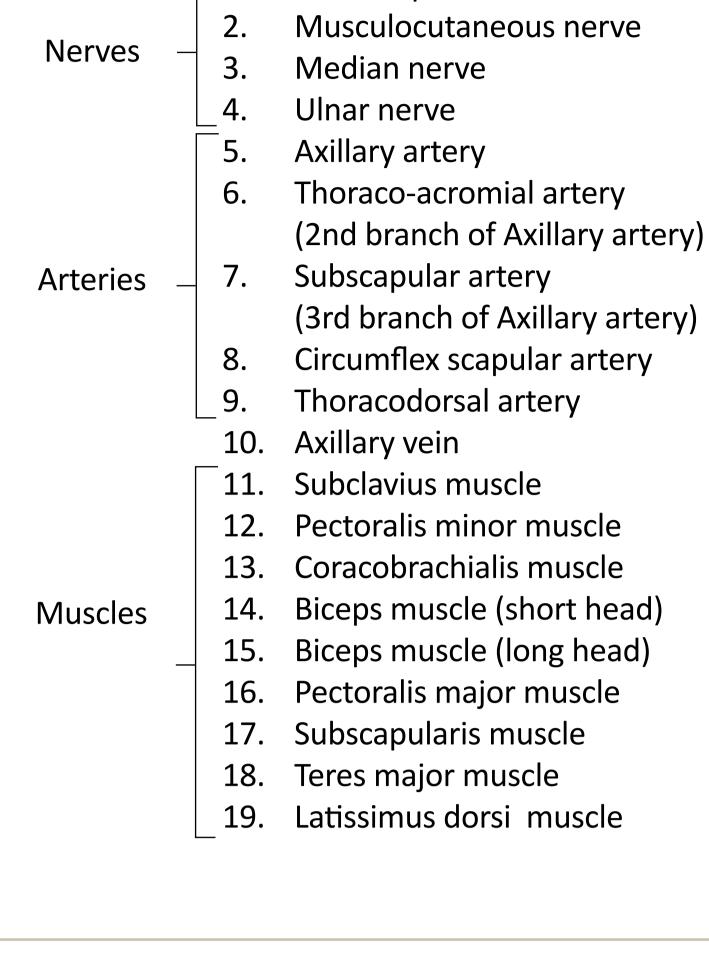
AXILLA



Brachial plexus

1.



and allows for the passage of neurovascular structures.

Anterior view of the right axilla region.

It's borders can be defined as: Anterior wall – pectoralis major, pectoralis minor and

The axilla is a pyramid shaped region (red dotted line)

located at the junction of the thorax and upper limbs

 Posterior wall – teres major, latissimus dorsi and subscapularis muscles

border of the first rib

The contents of the axilla are:

subclavius muscles

- Medial wall serratus anterior, intercostal muscles and thoracic wall
- Lateral wall intertubercular groove of the humerus Apex – formed by the scapula, clavicle and lateral

2. Axillary artery

4. Muscles – tendons of biceps brachii, coracobrachialis

CLINICAL CORRELATION

1. Brachial plexus

3. Axillary vein

and pectoralis major

damaged, this could clinically result in the appearance of a winged scapula. In the event that the innervation to the serratus anterior muscle is compromised, protraction or stabilization of the scapula will not be possible therefore presenting as a winged scapula.

2. Radial nerve palsy – palsy is the paralysis or tremors

1. Winged scapula – the serratus anterior muscle is

innervated by the long thoracic nerve (C5 - C7) and

travels down the axilla. If the long thoracic nerve is

associated with a nerve, if the axillary nerve is compressed or injured, this can cause palsy of the radial nerve. Prolonged injury to the axillary nerve will in turn result in radial nerve palsy which can cause wrist drop which reduces the grip strength of the affected individual. This occurs as the radial nerve serves to innervate the triceps brachii muscle, the muscles in the extensor compartment of the forearm.

- Question(s) The axillary nerve runs through the axilla. Discuss its path, stating its root value and branches.
- State the root value of the brachial plexus and the structures it innervates.
- and their respective actions.

Discuss the structures innervated by the axillary nerve