

Practical Anatomy Checklist

Session No: (3)

3rd week: Feb 3 - 7, 2019

Topics: Axilla.

A pyramidal-shaped passageway for vessels and nerves between upper limb and the root of the neck.

Has apex, base, 4 walls and contents.

A. Apex → (borders).

B. Base → (borders).

C. Anterior wall. → (Contents= 3M → P. major, P. minor and Subclavius).

D. Posterior wall. (Contents= 3M → Subscapularis, Latissimus dorsi and T. major).

E. Medial wall → Serratus anterior, upper 4 ribs and their spaces.

F. **Contents:**

1. Axillary artery. → (Beginning, End, Divisions and Branches).

2. Axillary vein. → (Beginning, End and Tributary → Cephalic vein).

3. Axillary sheath. → (Description and Contents).

4. Axillary lymph nodes. → (Groups, Locations and Regions receive lymph from).

5. Axillary fat.

6. **Brachial plexus**

Parts:

■ **5 Roots:** → Ventral rami (anterior limbs) of C5-T1 Mixed spinal nerves.

■ **3 Trunks:**

A- **Upper Trunk** → Union of ventral rami of C5+C6 nerves.

B- **Middle Trunk** → Ventral ramus (limb) of C7 nerve.

C- **Lower Trunk** → Union of ventral rami of C8+T1 nerves.

■ **Divisions:**

A- **3 Anterior divisions** → for Flexor muscles.

B- **3 Posterior divisions** → for Extensor muscles.

■ **3 Cords:**

Cords are named according to their relation to the 2nd part of the axillary artery.

• Posterior divisions of the 3 trunks unite to give → **Posterior cord.**

• Anterior divisions of Upper trunk and Middle trunks unite → **Lateral cord.**

• Anterior division of the lower trunk continues as → **Medial cord.**

■ **Terminal branches:**

A- **From roots:**

1- C5 → Dorsal scapular N. → 2 Rhomboids, Levator scapulae Ms.

2- C5, C6 and C7 → Long thoracic nerve → Serratus anterior muscle.

B- **From upper trunk:**

- Nerve to subclavius → C5 and C6.

- Suprascapular n. → Suprascapular and Infraspinatus Ms.

C- **From cords:**

1- **Posterior cord** → 5 branches.

2- **Lateral cord** → 3 branches.

3- **Medial cord** → 5 branches.

Practical Anatomy Checklist

Session No: (2)

2nd week: Jan 27 - 31, 2019

Topics: Pectoral and Scapular regions.

A. Pectoral region:

- Skin

- Superficial fascia (Breast).

- Deep fascia.

1- **Pectoralis major** muscle [Origin, Insertion, Nerve Supply and Action].

2- **Pectoralis minor** muscle [Origin, Insertion, Nerve Supply and Action].

3- **Subclavius** muscle [Origin, Insertion, Nerve Supply and Action].

4- **Clavipectoral fascia** (Location only).

B. Scapular muscles.

1. **Trapezius** muscle (Only: Identify + Nerve supply)

2. **Deltoid** muscle [Origin, Insertion, Nerve Supply and Action].

3. **Supraspinatus** muscle

4. **Infraspinatus** muscle

5. **Teres minor** muscle

6. **Teres major** muscle

7. **Latissimus dorsi** muscle (Only: Identify+ Insertion+ Nerve Supply + Action)

8. **Serratus anterior** muscle

9. **Subscapularis** muscle