

The module: Musculo-Skeletal System

Session: 2

Anatomy of Axilla

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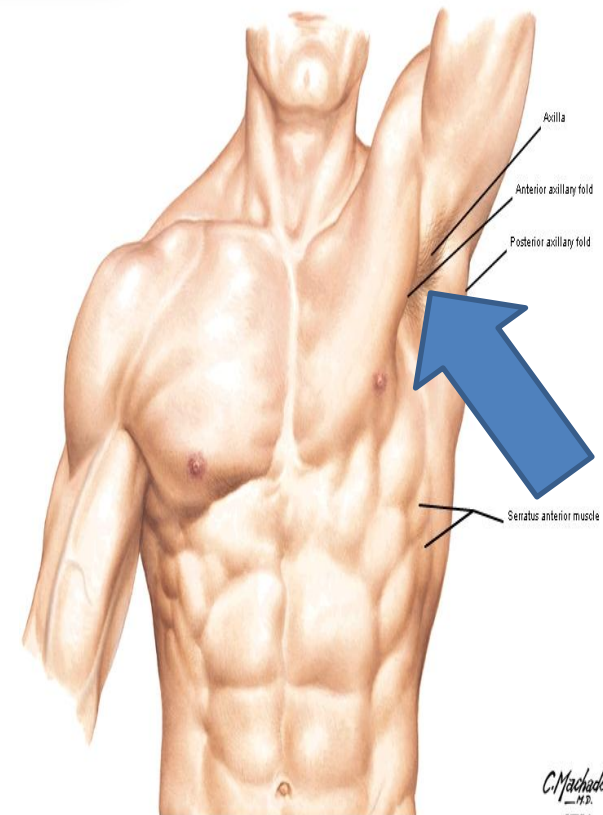
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Anatomy of the Axilla=Armpit

Objectives :

- 1. Describe the boundaries of axilla
- Mention its contents.
- What are the Functions of axillary lymph nodes



C. Machado
M.D.
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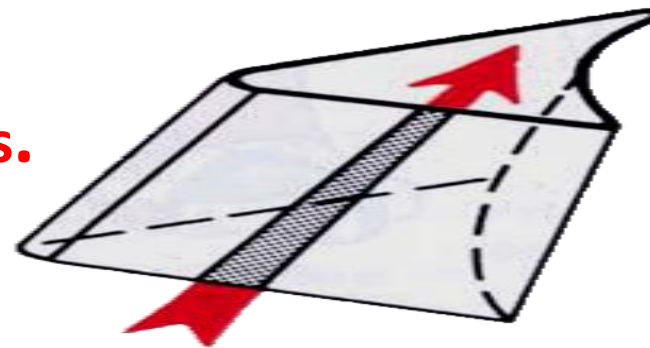
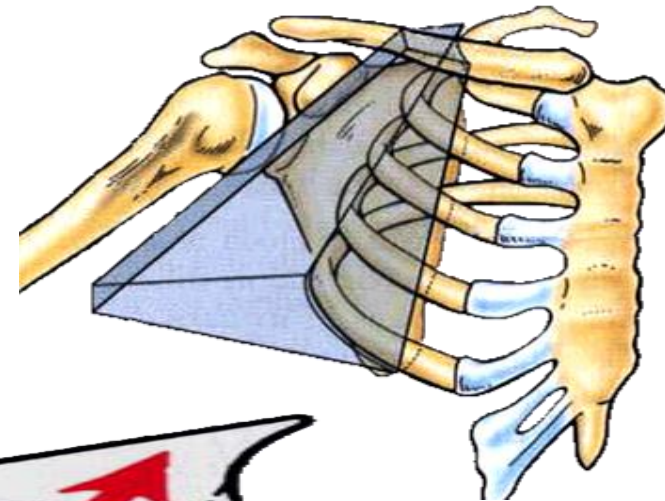
LO1

Axilla

Def: A **pyramid**-shaped space between the upper part of the arm and the side of the chest through which major **neurovascular** structures pass between neck & thorax and upper limbs.

Axilla has an

apex, a **base** and **four walls**.



LO1

- **4 Sided** pyramid
- Apex connected to the neck=Inlet
- Base Arm pit= Outlet
- Anterior wall
- Posterior wall
- Medial wall
- Lateral wall

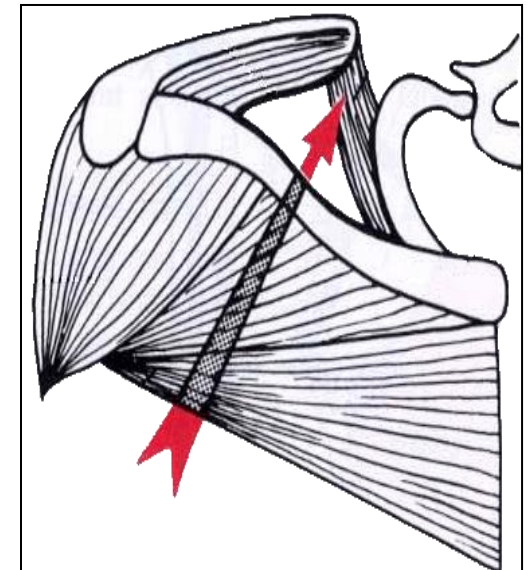


Boundaries of the Axilla

LO1

■ Apex:

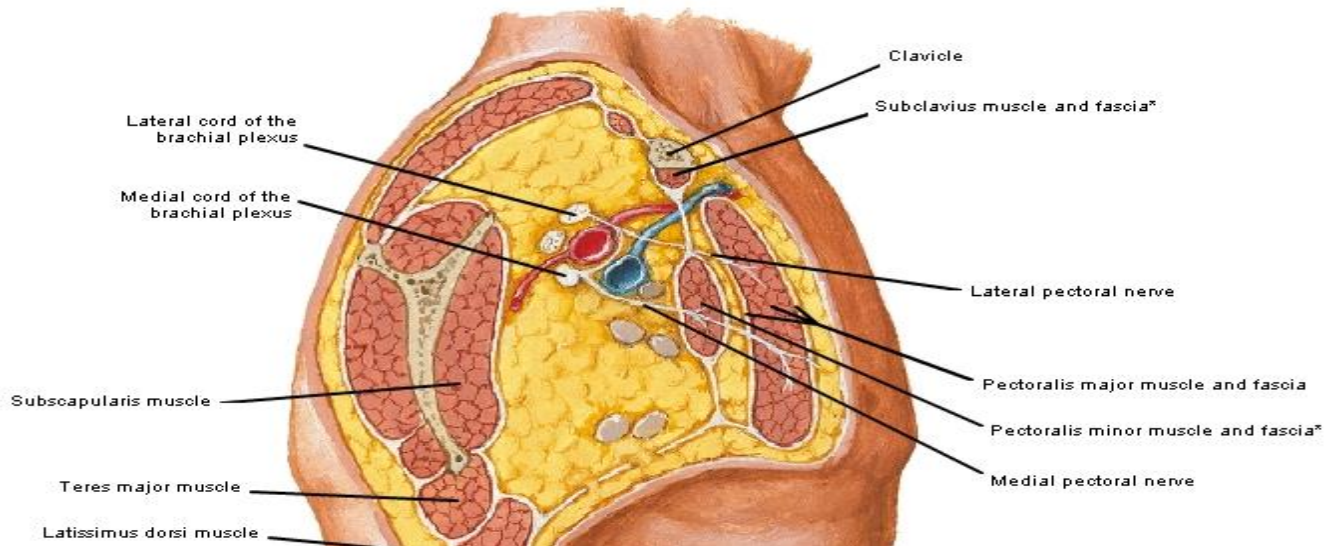
- Is directed upwards & medially to the root of the neck.
- It is called **Cervicoaxillary canal**.
- It is bounded, by 3 bones:
 - Clavicle **anteriorly**.
 - Upper border of the scapula **posteriorly**.
 - Outer border of the first rib **medially**



Base:

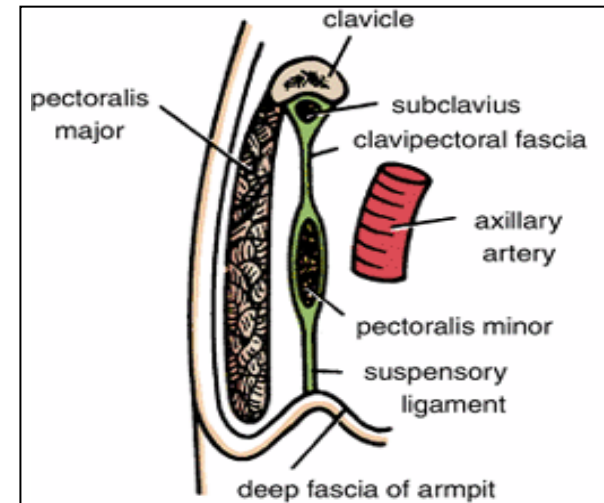
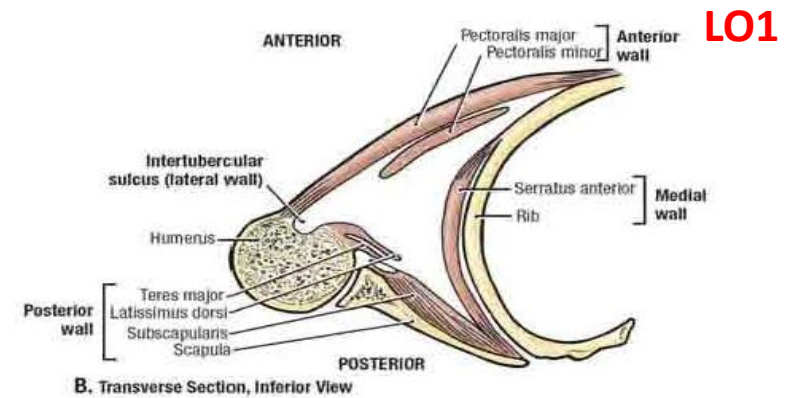
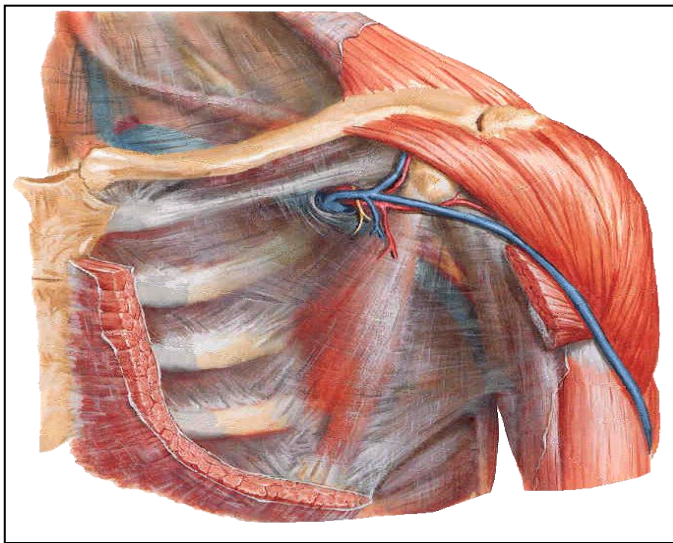
LO1

Axillary fascia and Skin of the arm pit



Anterior wall

1. Pectoralis major
2. Pectoralis minor
3. Subclavius muscles
4. Clavipectoral fascia

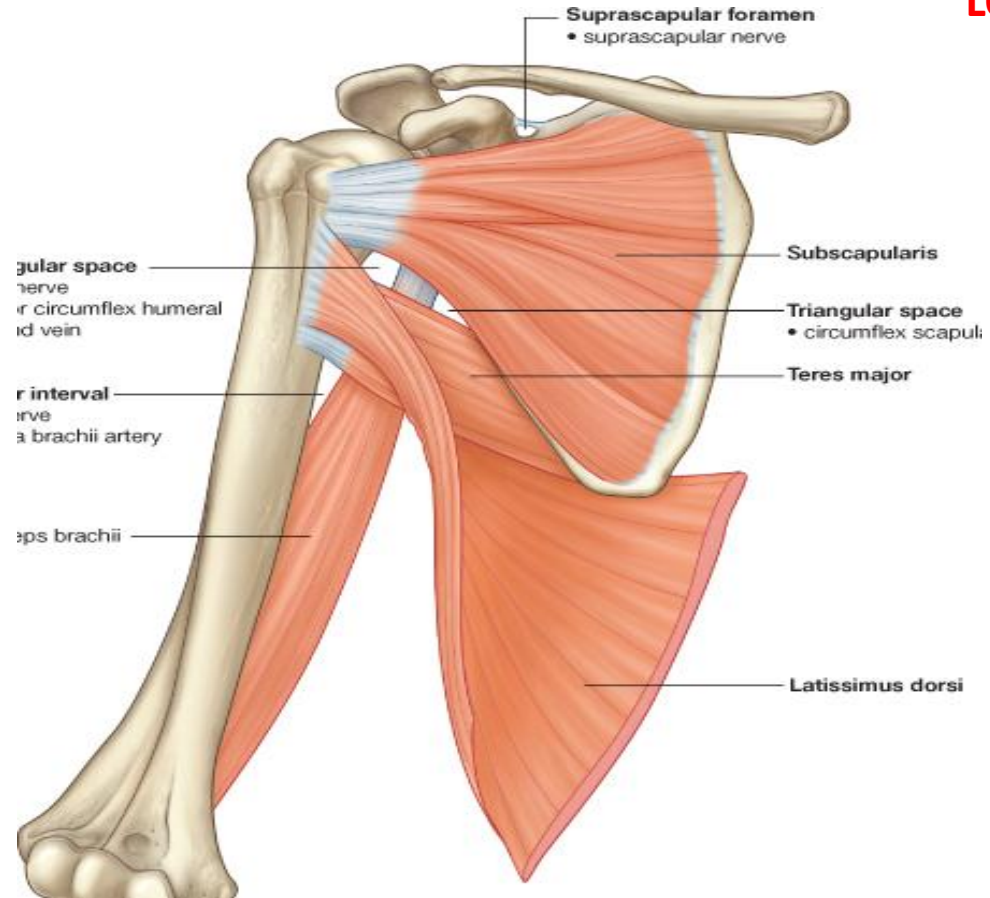


LO1

Posterior wall:

Is formed by:

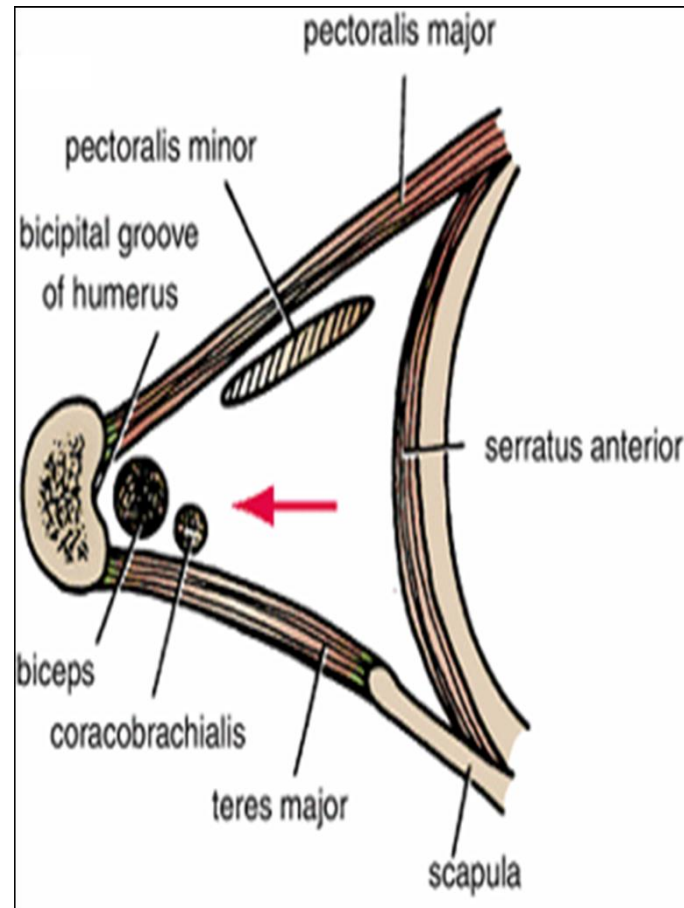
- Subscapularis.
- Latissimus dorsi.
- Teres major muscles.



LO1

■ The medial wall:

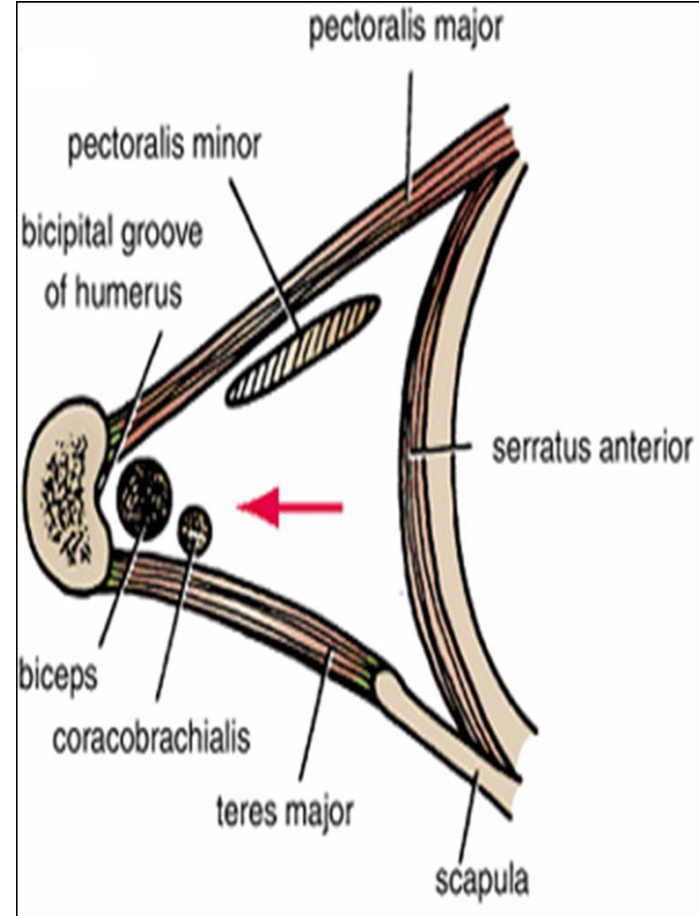
- It is wide and formed by:
 - Serratus anterior.
 - Upper 4-5 ribs & Intercostal muscles .



■ The lateral wall:

■ It is narrow and formed by:

- Coracobrachialis.
- Biceps brachii.
- Bicipital groove of the humerus.



Contents of The Axilla

LO2

Cords and branches of the **brachial plexus**

Axillary artery and its branches.

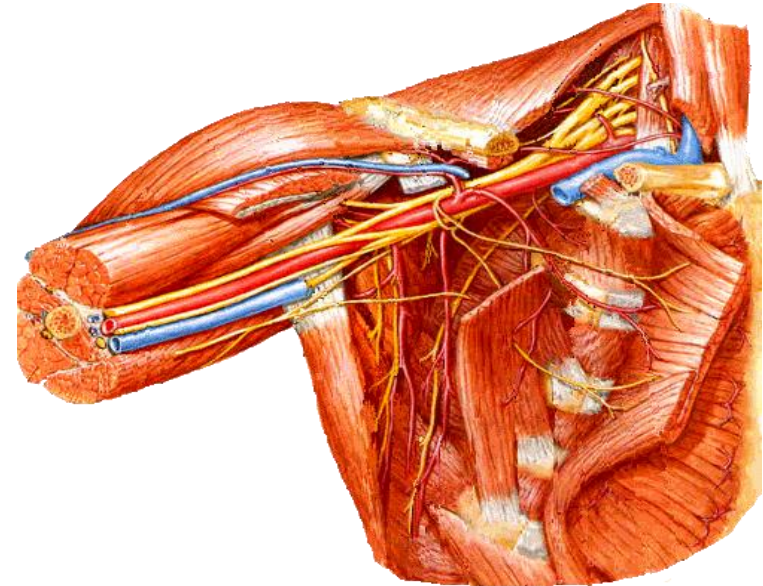
Axillary vein and its tributaries.

Axillary lymph nodes.

Axillary lymphatic vessels

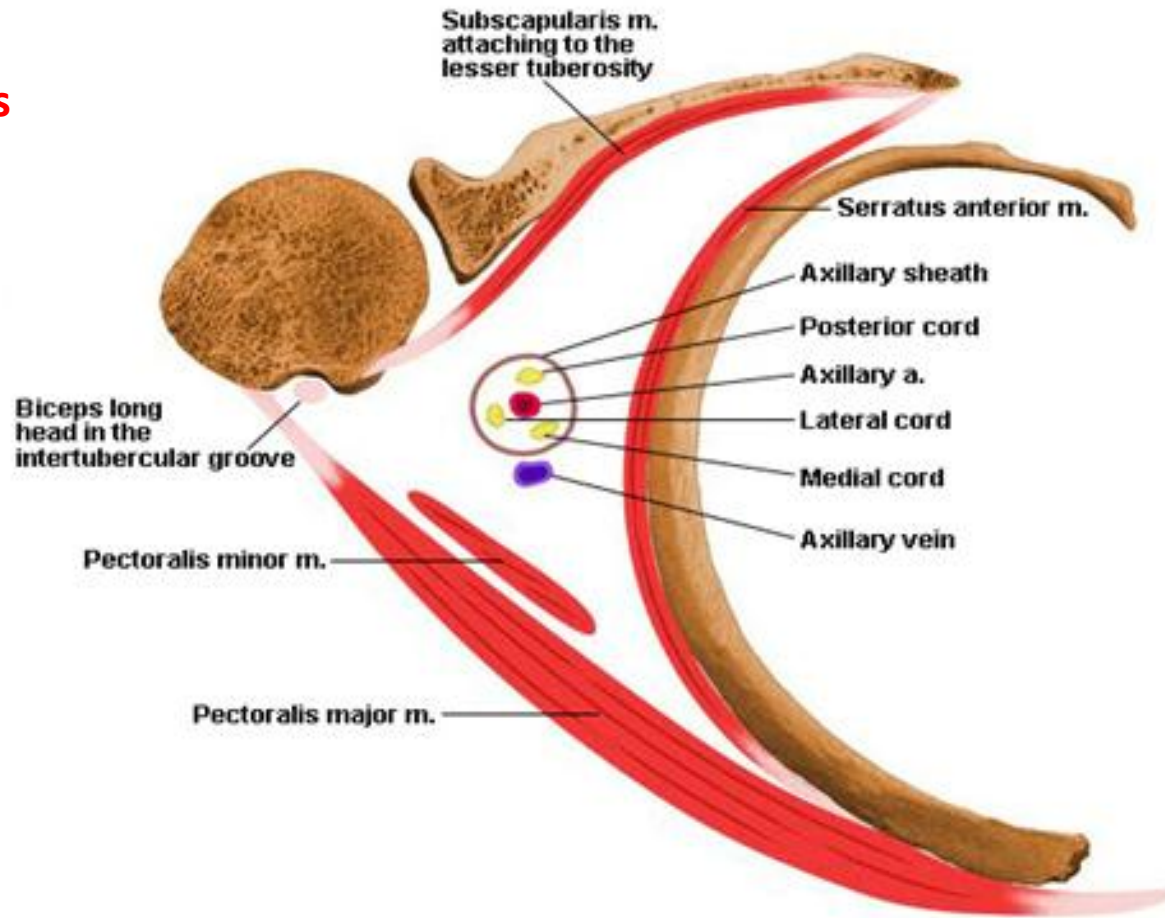
Axillary fat.

Loose connective tissue.



The neurovascular bundle is enclosed in connective tissue sheath, called '**axillary sheath**'

Contents





Axillary I n







Thank You!

