



MED439

Revised & Approved



جامعة
الملك سعود
King Saud University



Vessels and Nerves of the upper limb

Musculoskeletal Block



Anatomy Practical team - Med 439

Notes

the information in this file is based on the things that was given during practical sessions along with doctors' notes

To ensure your grade on each question :

- 1-Make sure your SPELLING is correct
- 2-Make sure you write the FULL name or location of the object precisely

The image features three horizontal brush strokes of varying lengths and colors, ranging from deep red to bright orange. A white rectangular frame is superimposed over the middle stroke, containing the word "Nerves" in a clean, white, sans-serif font.

Nerves

هنا كل النيرفز في صورة وحدة على شكل حرف M



Ulnar Nerve
"Medial"

Musculocutaneous
Nerve

قصير وراح يدخل مباشرة في
coracobrachialis

Median Nerve

في الوسط وجاي من فرعين على شكل حرف
Y

Radial Nerve "Lateral"

راح يدخل مباشرة على
Posterior muscles

Median nerve

- cord: medial & lateral (called medial & lateral roots)
- roots: C5, 6, 7, 8, T1

Innervation :

No branches in the arm

In the forearm ; all the flexors **except** Flexor Carpi Ulnaris ,medial half of the Flexor Digitorum Profundus

In the hand ;Three thenar eminence muscles associated with the thumb

Lateral two lumbrical muscles associated with movement of the index and middle finger.

Y shaped



Ulnar nerve

- Cord: medial cord
- roots: C8,T1

Innervation:

- Medial ½ Flexor Digitorum profundus
- Flexor Carpi Ulnaris



Radial nerve

- Cord: Posterior cord
- roots: C5,C6,C7,C8,T1

Innervation:

Triceps

brachioradialis

Extensor carpi radialis longus

Anconeus



Musculocutaneous nerve

- cord : Lateral cord
- roots: C5,C6,C7

Innervation :

biceps brachii

coracobrachialis

brachialis

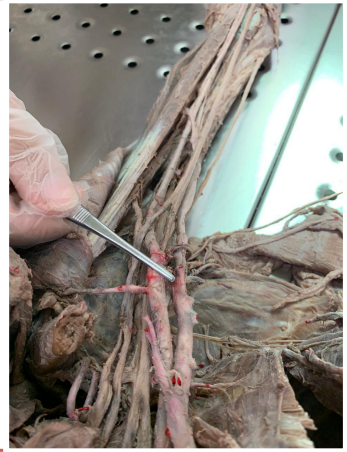
مميز لانه الوحيد
اللي مجرد ما
يطلع من الكورد
اللي كونته يصير
deep للمسلسز



The Nerve	Cords	Roots	Innervation
Median N.	Medial & Lateral	C5, C6, C7, C8, T1	<ul style="list-style-type: none"> • No branches in the arm • In the forearm ; all the flexors except FCU, medial half of the FDP • In the hand ; Three thenar eminence muscles associated with the thumb • Lateral two lumbrical muscles associated with movement of the index and middle finger.
Ulnar N.	Medial	C8, T1	<ul style="list-style-type: none"> • Medial ½ Flexor Digitorum profundus • Flexor Carpi Ulnaris
Radial N.	Posterior	C5, C6, C7, C8, T1	<ul style="list-style-type: none"> • Triceps • brachioradialis • Extensor carpi radialis longus • Anconeus
Musculocutaneous N.	Lateral	C5, C6, C7	<ul style="list-style-type: none"> • biceps brachii • coracobrachialis • brachialis

The word "Arteries" is centered in a white, sans-serif font within a white rectangular border. The background consists of three horizontal, overlapping brushstrokes in shades of red and orange, creating a textured, artistic effect.

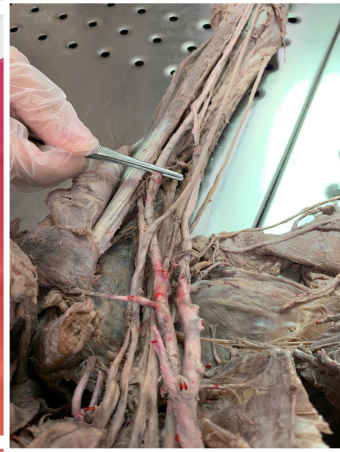
Arteries



Axillary artery

Continuation of
Subclavian artery

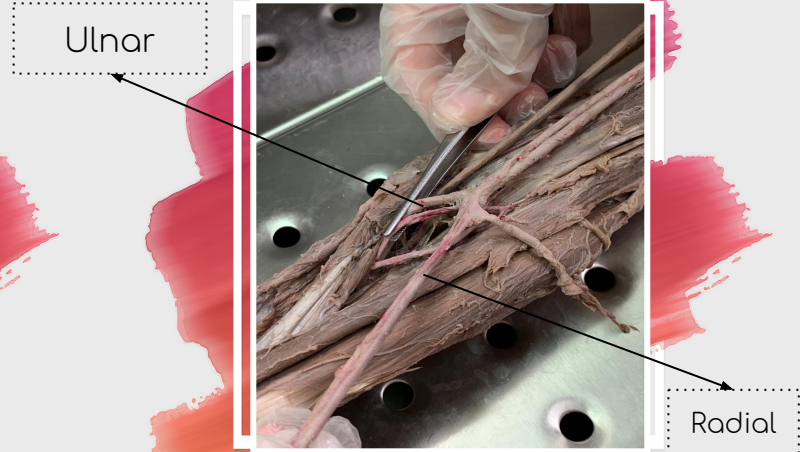
Continues as
Brachial artery



Brachial artery

Continuation of:
Axillary artery

Continues as (It will
divide into): Radial
artery & ulnar artery



Radial & Ulnar
arteries

Continuation of: Brachial artery

1- Ulnar artery will continue as:
Superficial palmar arch

2- Radial artery will continue as:
Deep palmar arch

Superficial palmar arch



Continuation of: **Ulnar artery**

summary

- In the axilla there is the **axillary artery**
- when you see any artery in the arm that is **Brachial artery**
- In the forearm there are two arteries:
Medially is **Ulnar artery** , but laterally is **Radial artery**
- Ulnar Artery Continues as **superficial palmar arch**
But Radial Artery Continues as **deep palmar arch**

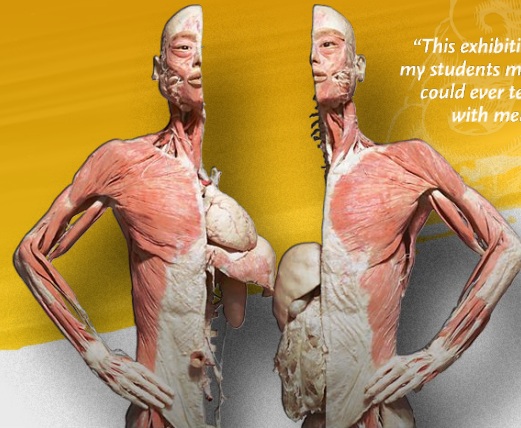
Don't stop until you are proud.

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"This exhibition taught my students more than I could ever teach them with mere words."