



Muscular System

Introduction to Anatomy and Embryology

Lab 7

Muscles of the Upper Limb

Dr. Heba Kalbouneh

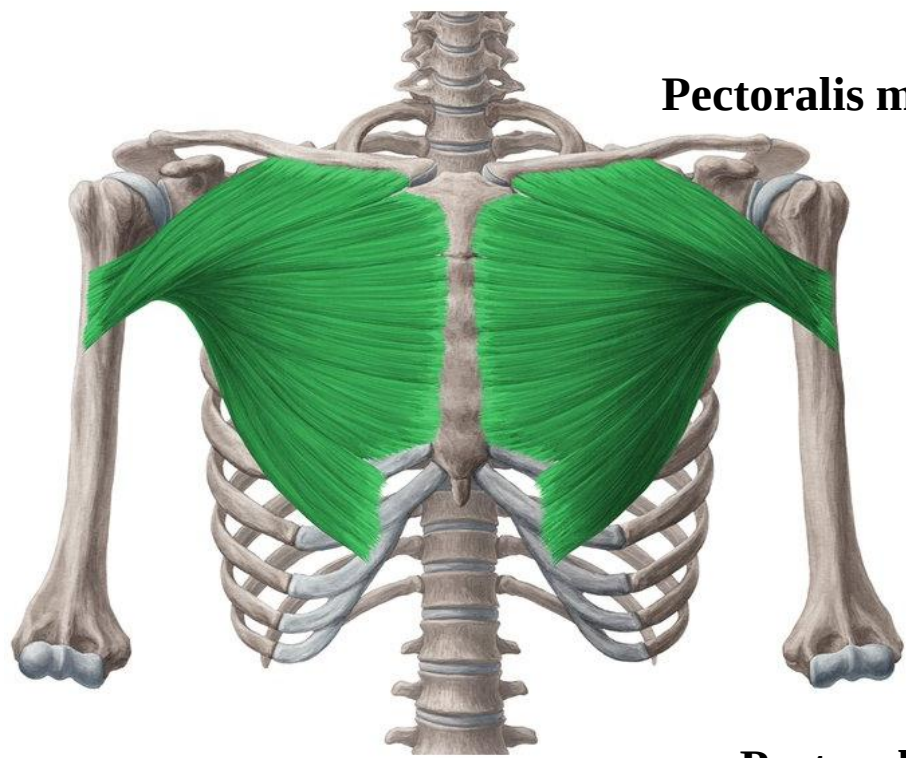
DDS, MSc, DMD/PhD

Professor of Anatomy, Histology and Embryology

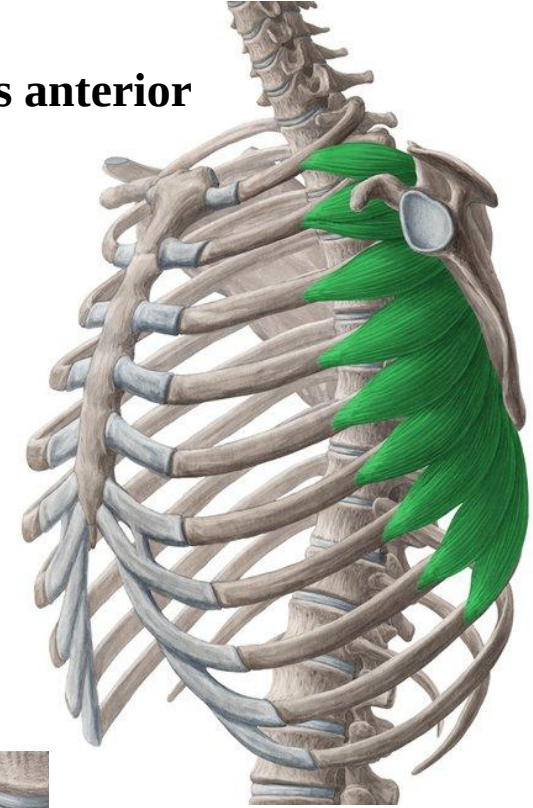
Identify the muscles of the upper limb, their bony attachments and action:

Muscles Connecting the Upper Limb to the Thoracic Wall	Pectoralis major, Pectoralis minor, Subclavius, Serratus anterior.
Muscles Connecting the Upper Limb to the Vertebral Column	Trapezius, Latissimus dorsi, Levator scapulae, Rhomboid major, Rhomboid minor.
Muscles Connecting the Scapula to the Humerus	Deltoid, Supraspinatus, Infraspinatus, Teres minor, Teres major, Subscapularis.
Muscles of the Arm	Brachialis, Biceps brachii, Coracobrachialis, Triceps brachii.
Muscles of the Forearm (forearm flexors)	Pronator teres, Flexor carpi radialis, Palmaris longus, Flexor carpi ulnaris, Flexor digitorum superficialis, Pronator quadratus, Flexor pollicis longus, Flexor digitorum profundus
Muscles of the Forearm (forearm extensors)	Supinator, Extensor digitorum, Extensor carpi ulnaris, Extensor carpi radialis longus and brevis, Extensor indicis, Extensor digiti minimi, Brachioradialis

Pectoralis major

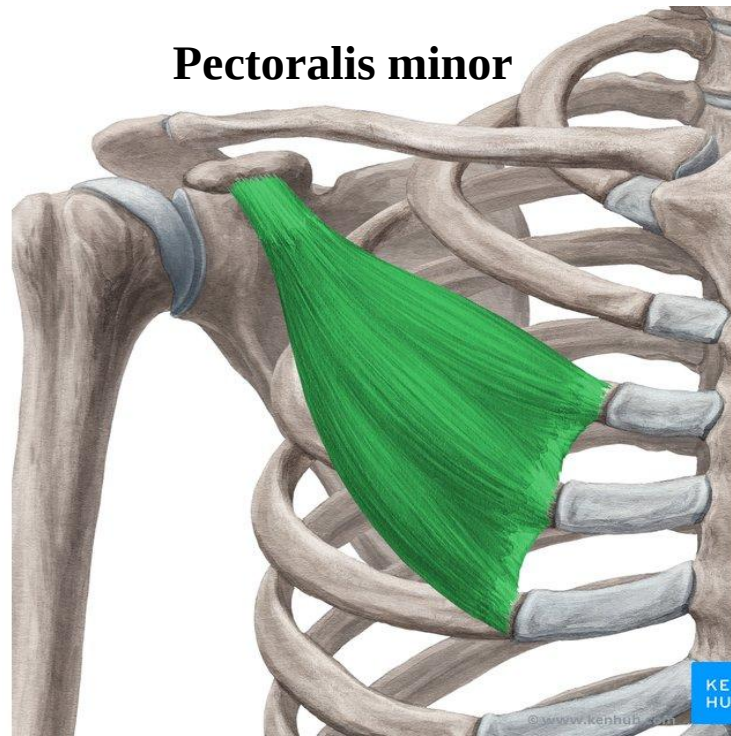


Serratus anterior

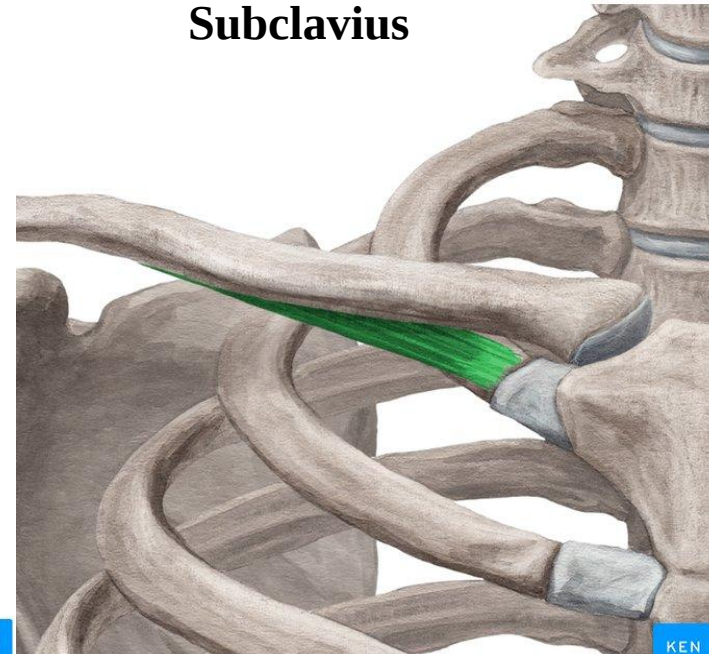


Muscles Connecting
the Upper Limb to
the Thoracic Wall

Pectoralis minor



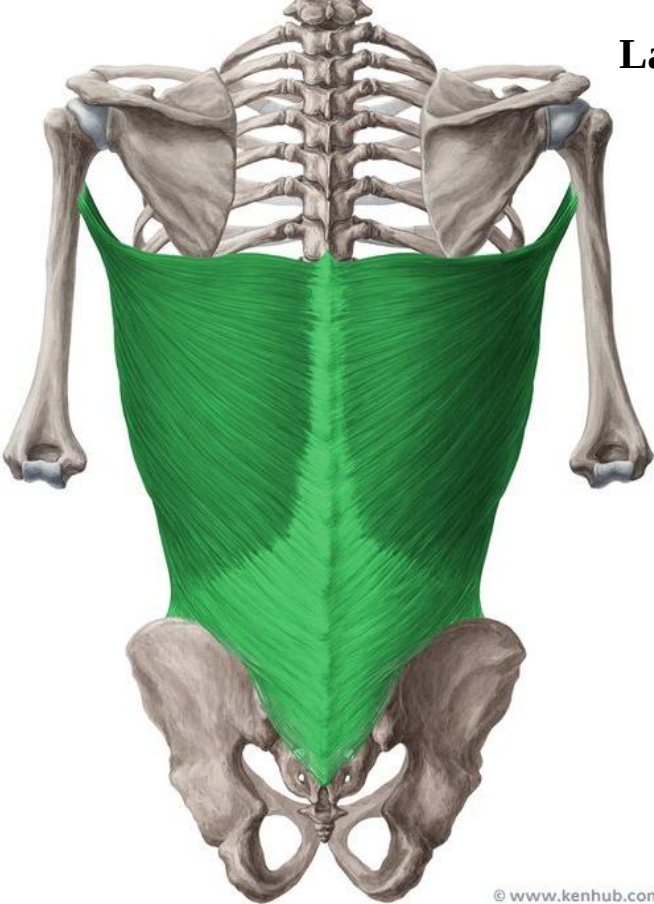
Subclavius



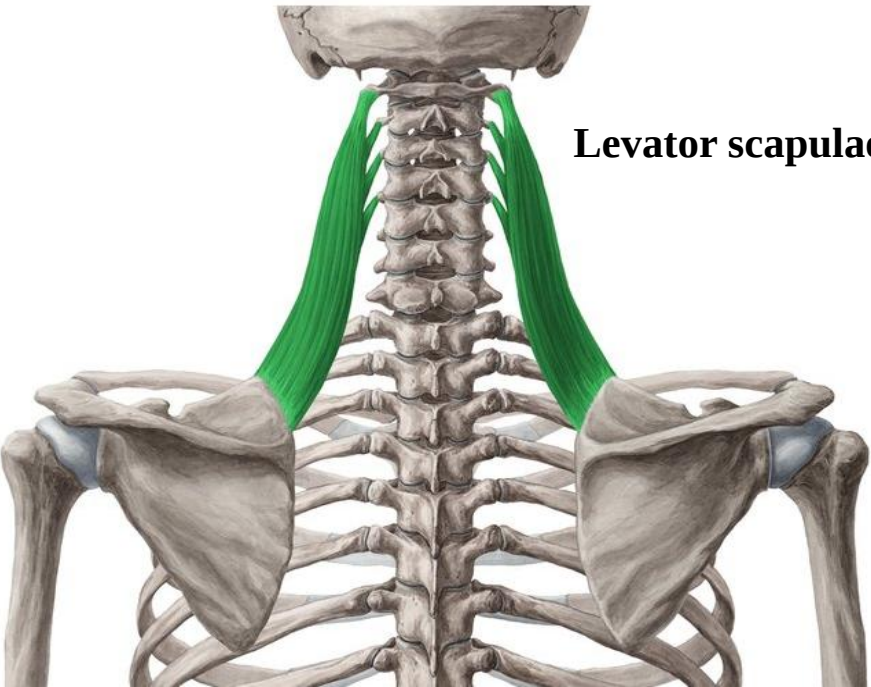
Trapezius



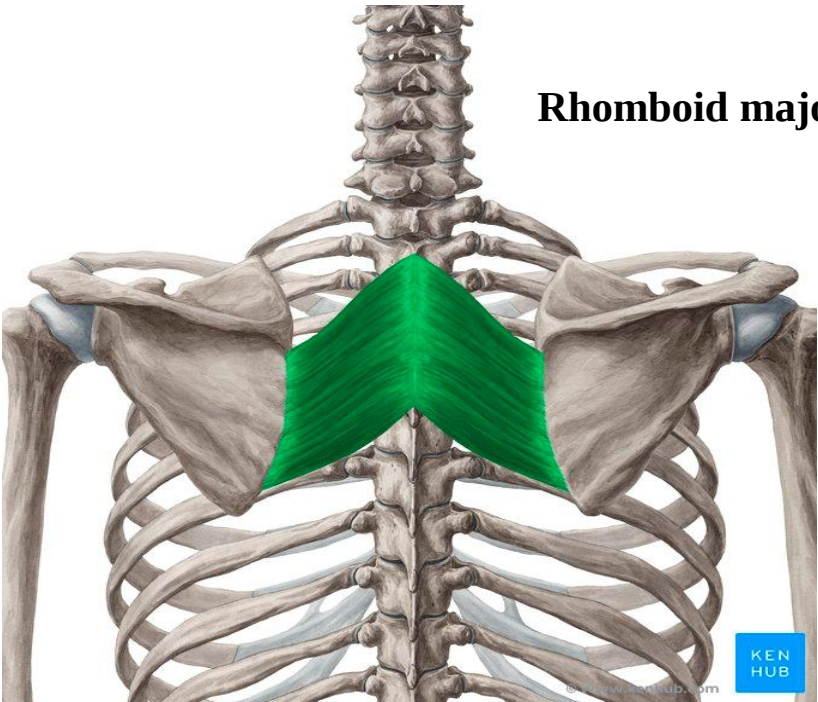
Latissimus dorsi



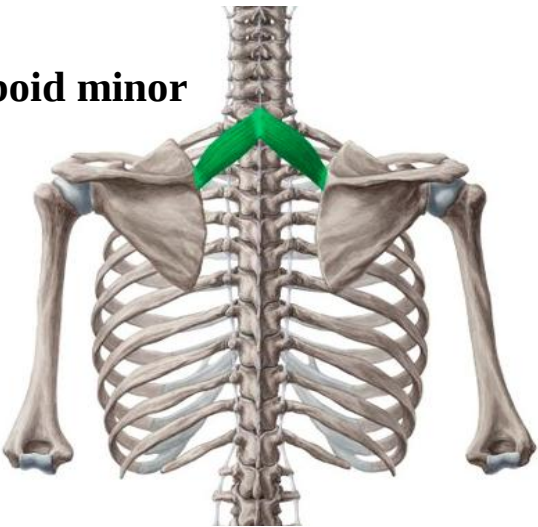
Levator scapulae



Rhomboid major



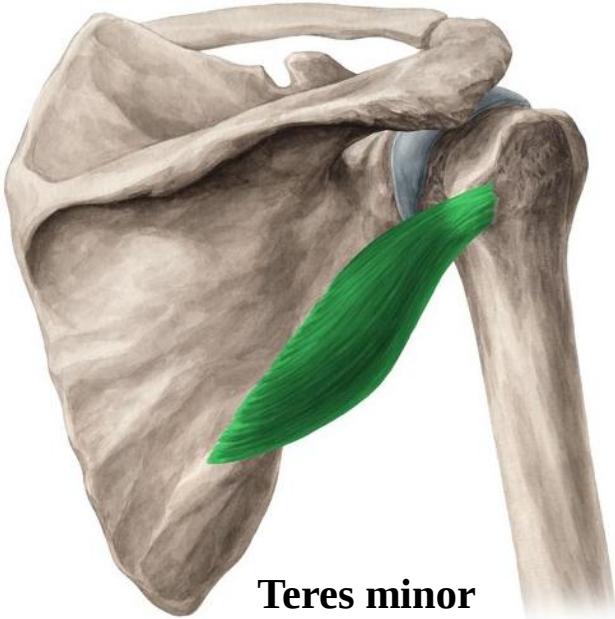
Rhomboid minor



Muscles Connecting
the Upper Limb to
the Vertebral Column

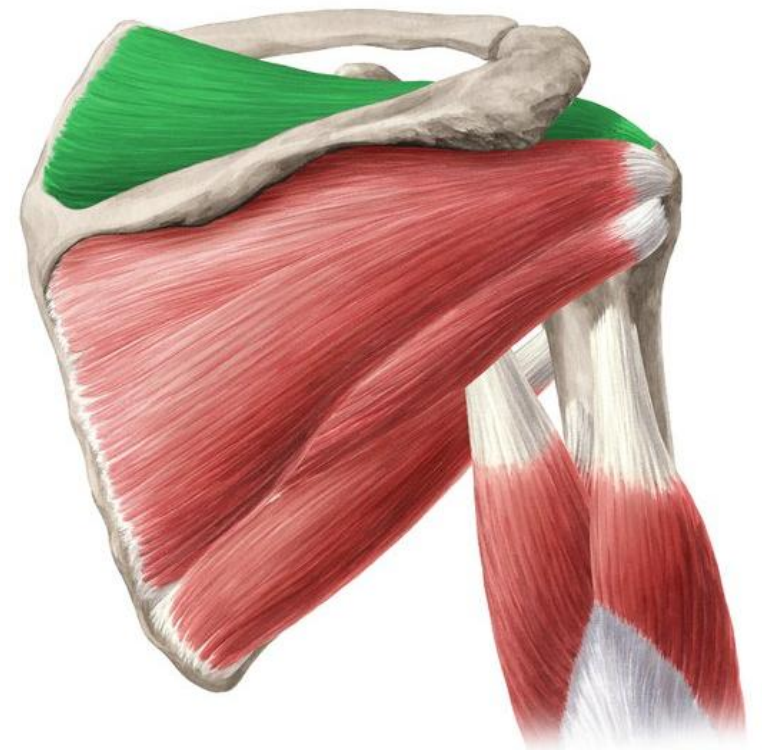


Teres major

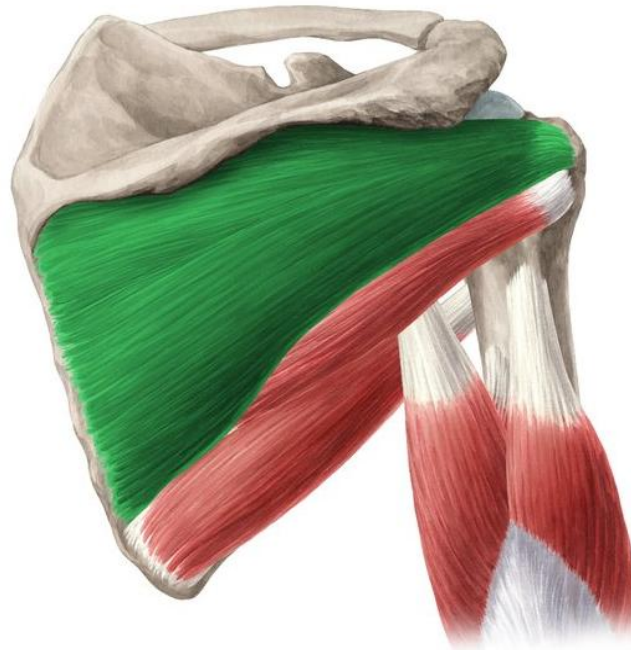


Teres minor

Muscles Connecting
the Scapula to the
Humerus



Supraspinatus



Infraspinatus

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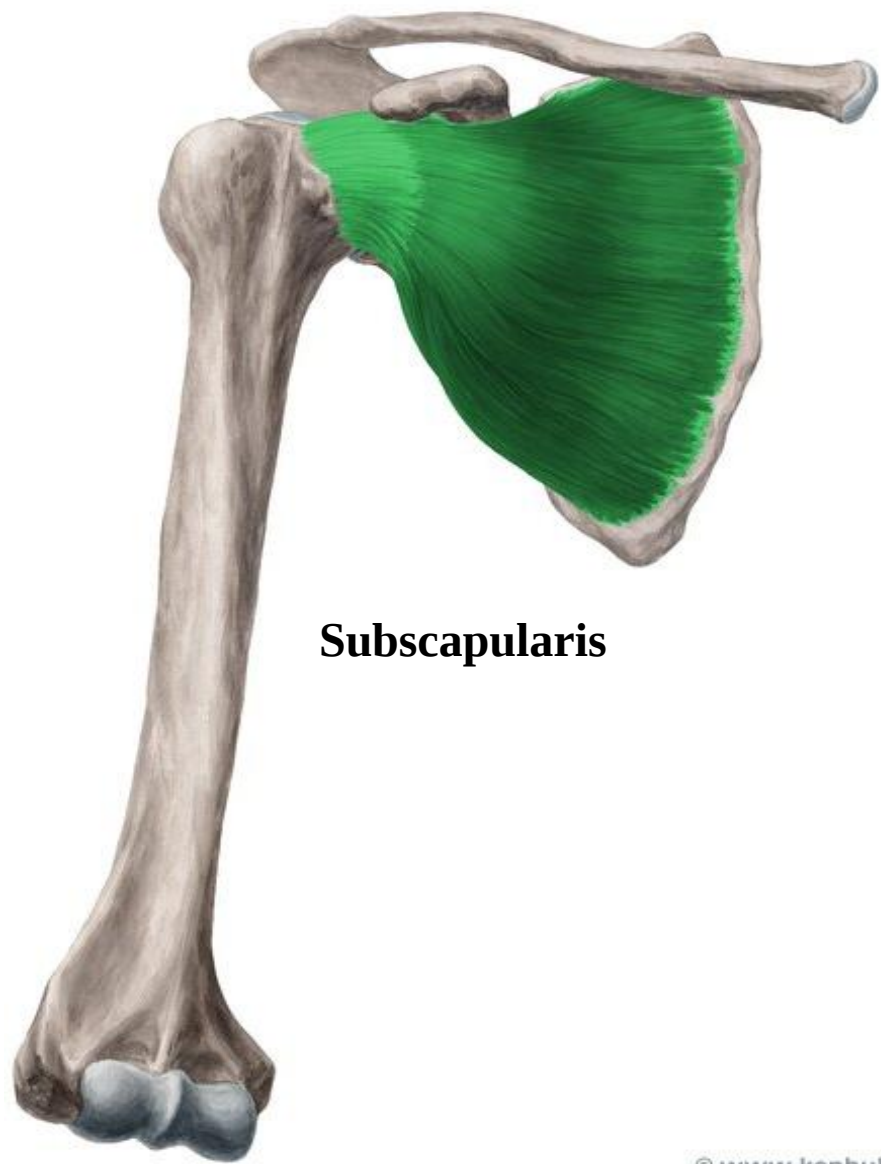
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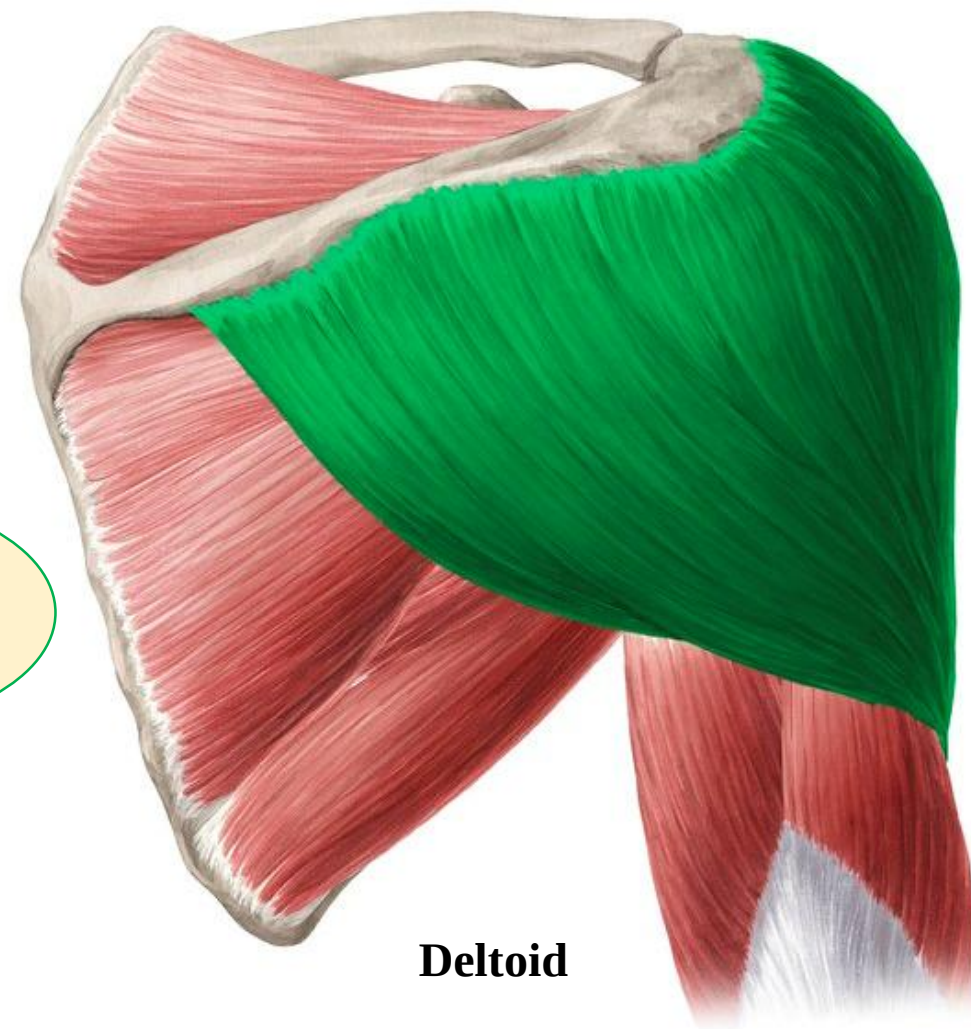
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Subscapularis

Muscles Connecting
the Scapula to the
Humerus

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Deltoid

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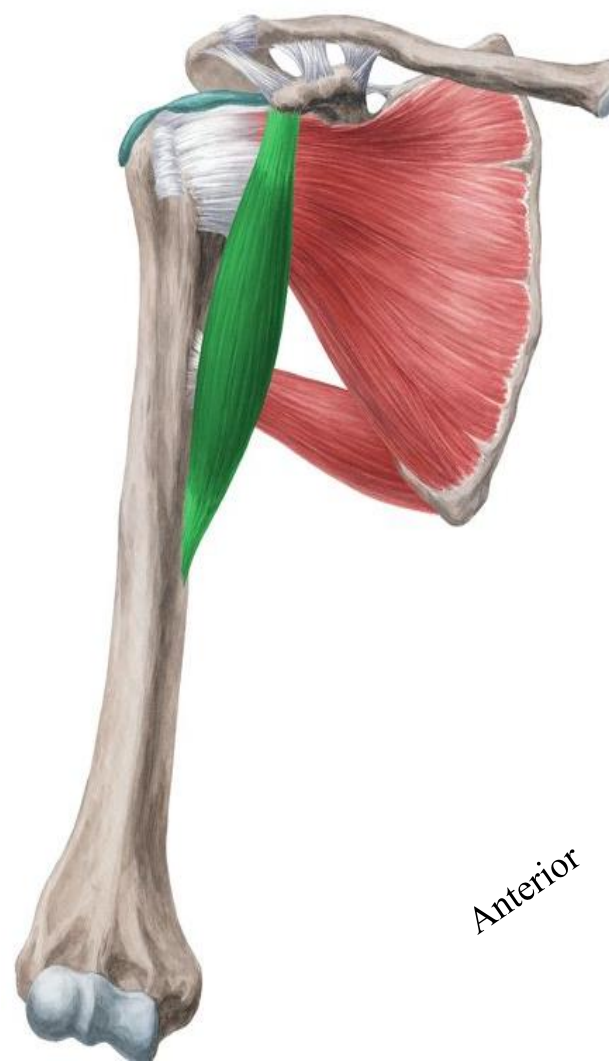




Biceps brachii



Brachialis



Coracobrachialis

Anterior



Triceps brachii

Posterior

Muscles of the Arm

Muscles of the Forearm
(Anterior compartment/
Superficial group)

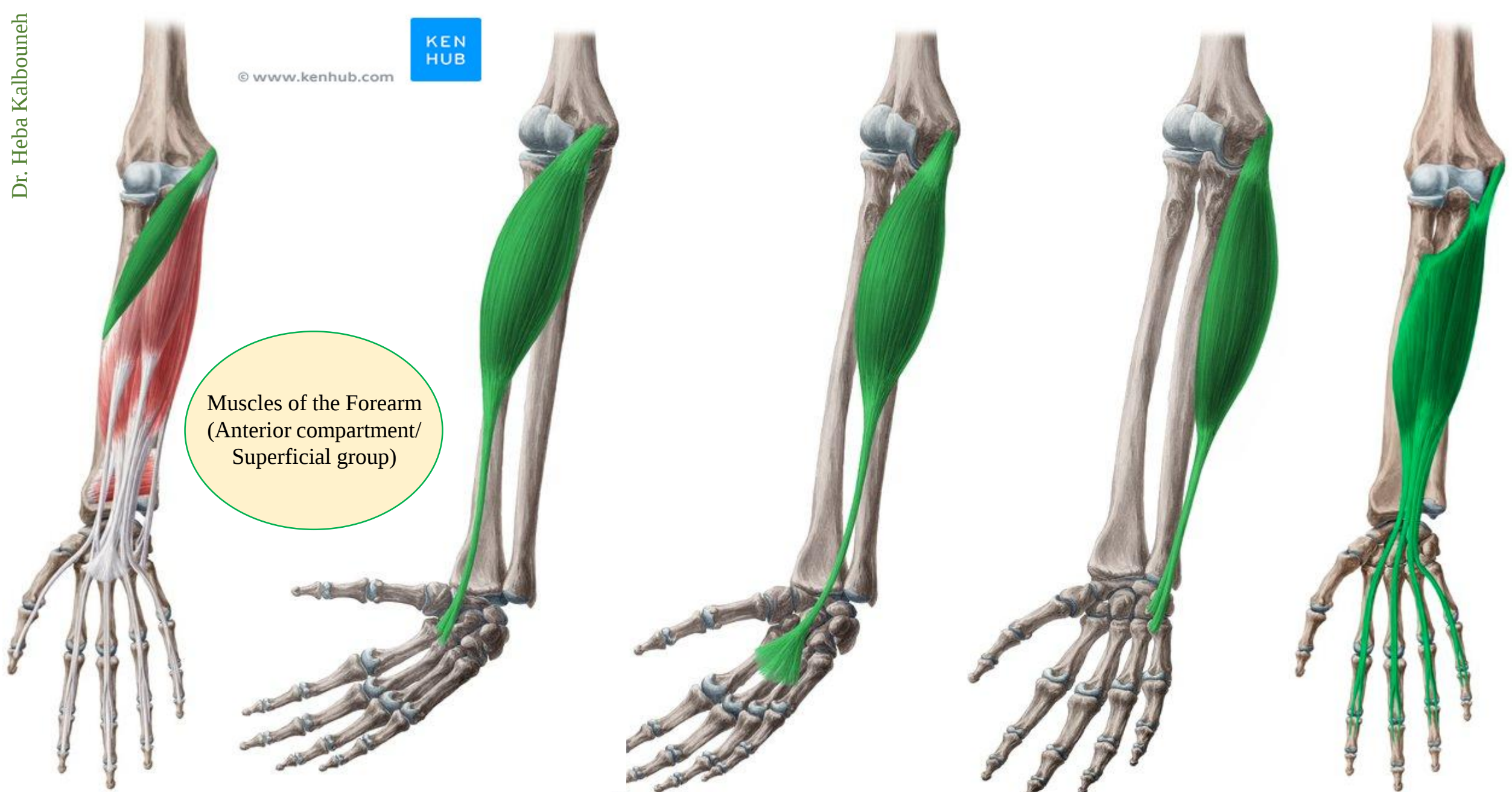
Pronator teres

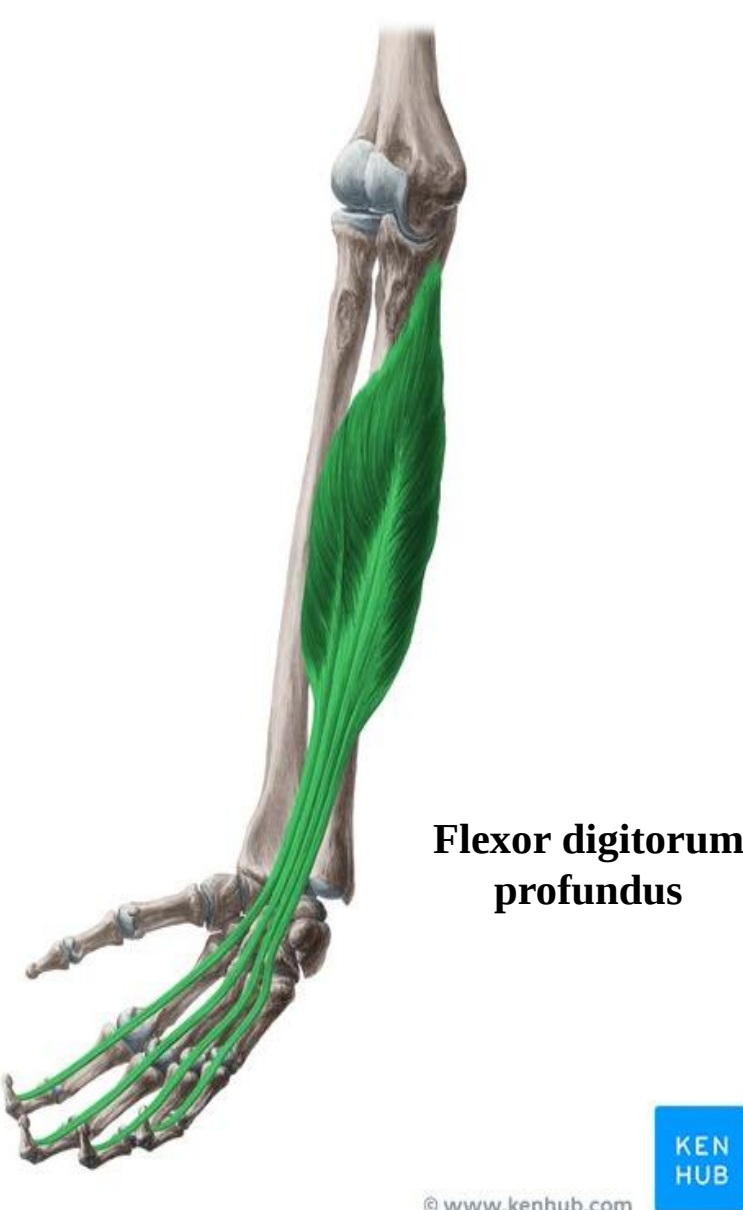
**Flexor carpi
radialis**

Palmaris longus

**Flexor carpi
ulnaris**

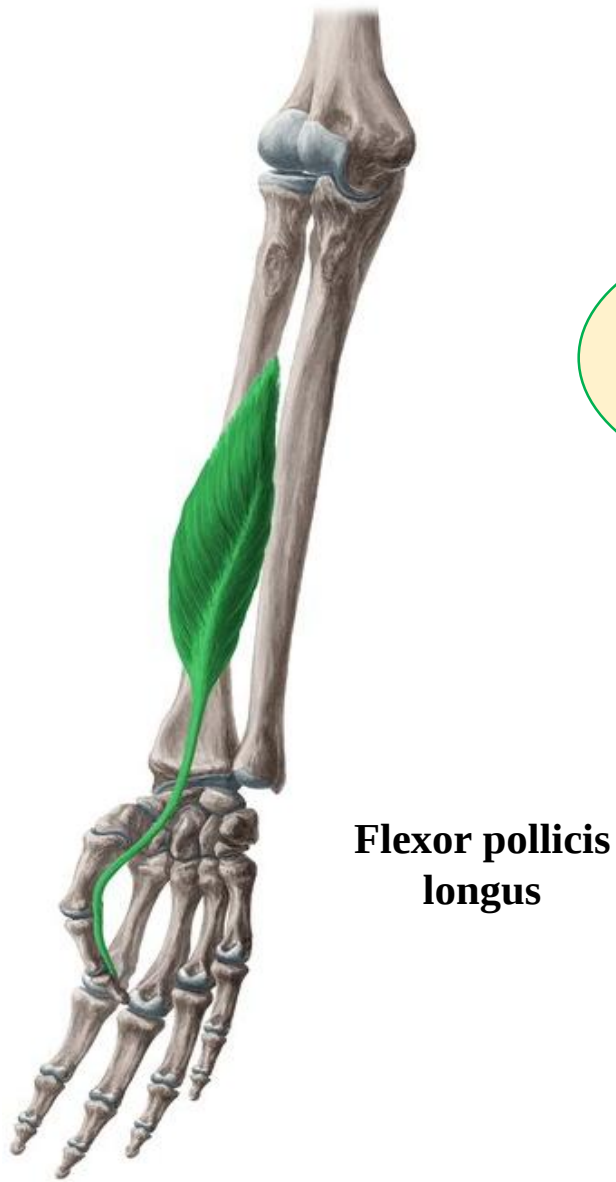
**Flexor digitorum
superficialis**





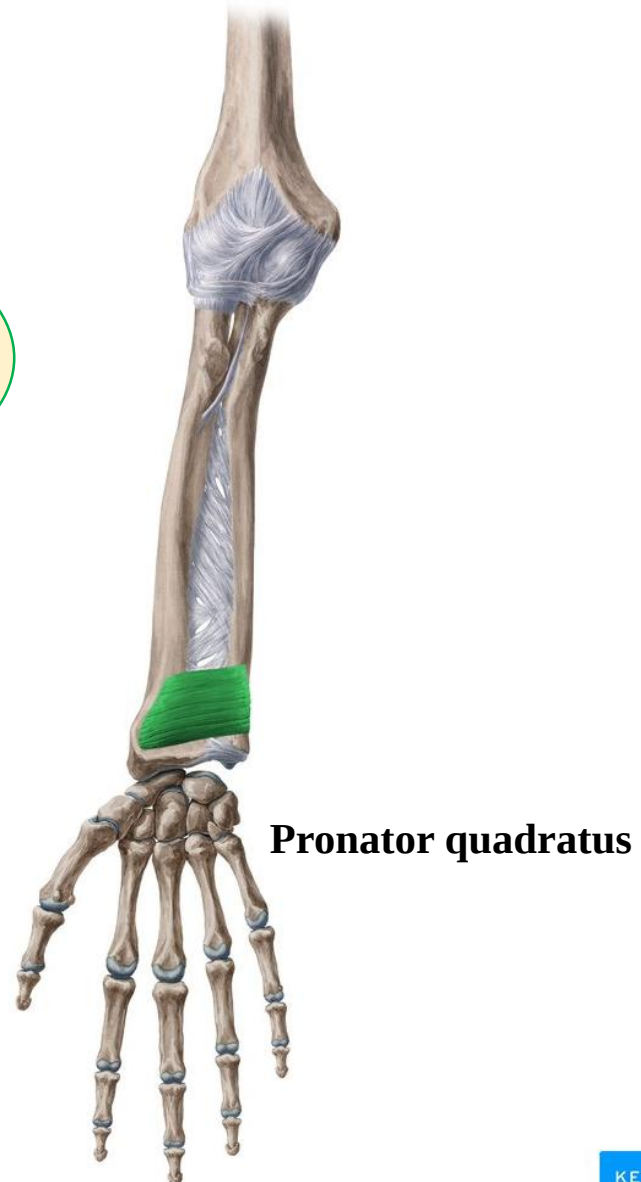
Flexor digitorum profundus

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Flexor pollicis longus

Muscles of the Forearm
(Anterior compartment/
Deep group)



Pronator quadratus

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**Extensor carpi
ulnaris**



**Extensor
digiti minimi**



**Extensor
digitorum**



**Extensor carpi
radialis brevis**



**Extensor carpi
radialis longus**



Brachioradialis

Muscles of the Forearm
(Posterior/ Lateral
compartment/ Superficial
group)

**Extensor
pollicis longus**



**Extensor
pollicis brevis**



**Abductor
pollicis longus**



**Extensor
indicis**



Supinator



Muscles of the
Forearm (Posterior
compartment/ Deep
group)