

# Muscles of Facial Expression

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## ○ Smiling Muscles

- Orbicularis Oculi
- Nasalis
- Levator Labii Superioris
- Levator Anguli Superioris
- Zygomaticus
- Risorius

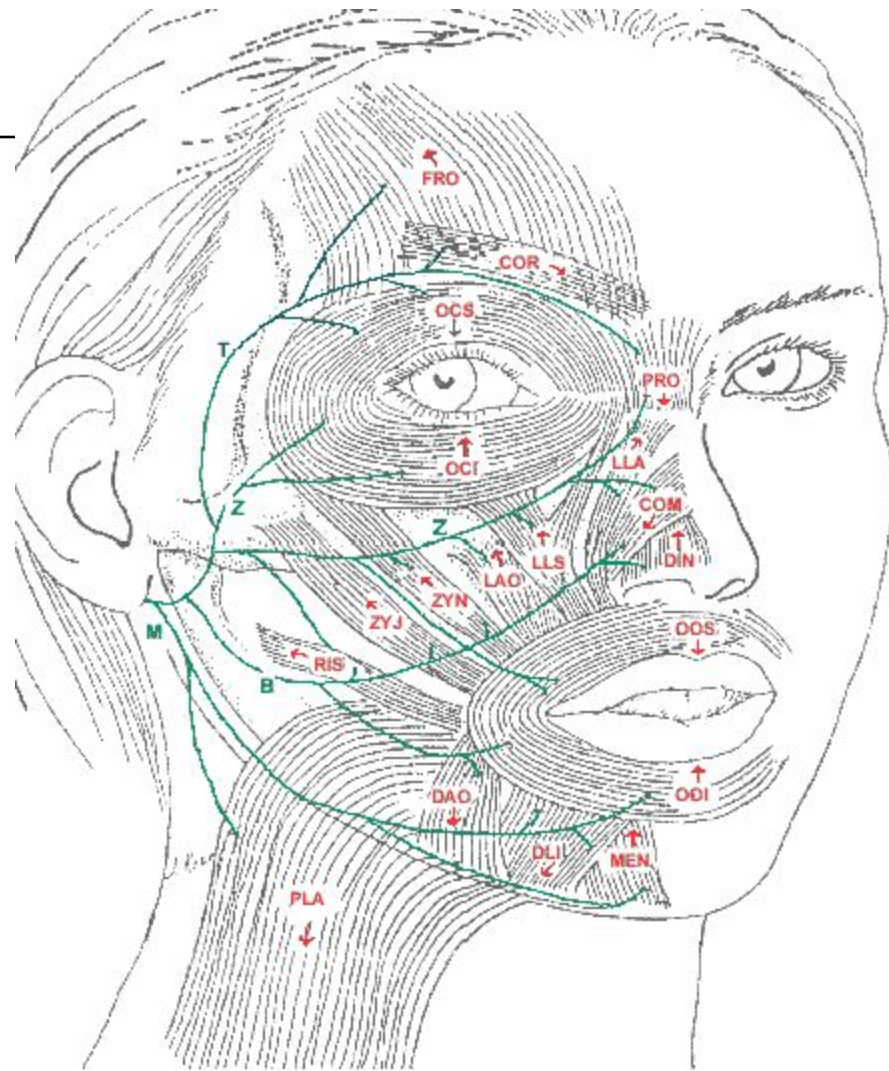
## ○ Frowning Muscles

- Frontalis
- Orbicularis Oris
- Depressor Anguli Oris
- Depressor Labii Inferioris
- Mentalis
- Platysma

# Smiling Muscles   Frowning Muscles

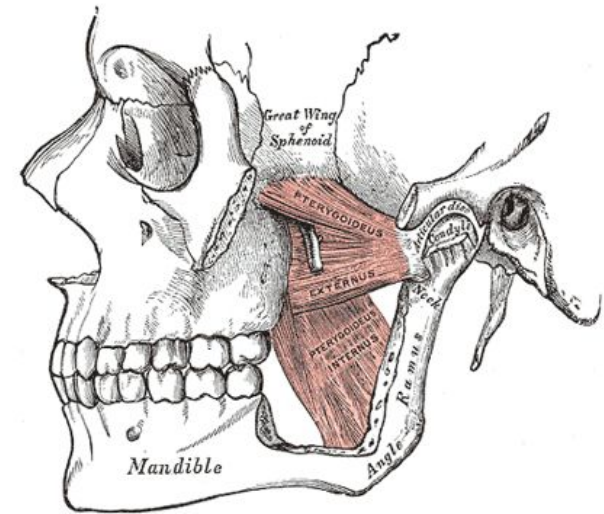
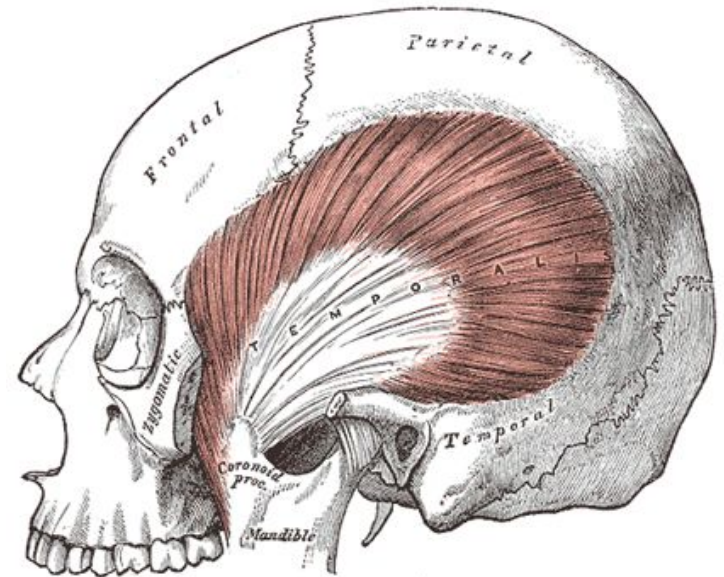
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- Orbicularis Oculi: close eyelid
- Nasalis: compress/dilate nasal openings
- Levator Labii Superioris: raise upper lip
- Levator Anguli Superioris: raise angle of mouth upward
- Zygomaticus: draw angle of mouth upward
- Risorius: draw angle of mouth laterally
- Frontalis: elevate eyebrows
- Orbicularis Oris: closes mouth
- Depressor Anguli Oris: draw angle of mouth downward
- Depressor Labii Inferioris: lowers lower lip
- Mentalis: draws chin up
- Platysma: draws lower lip down & back



# Muscles of Mastication

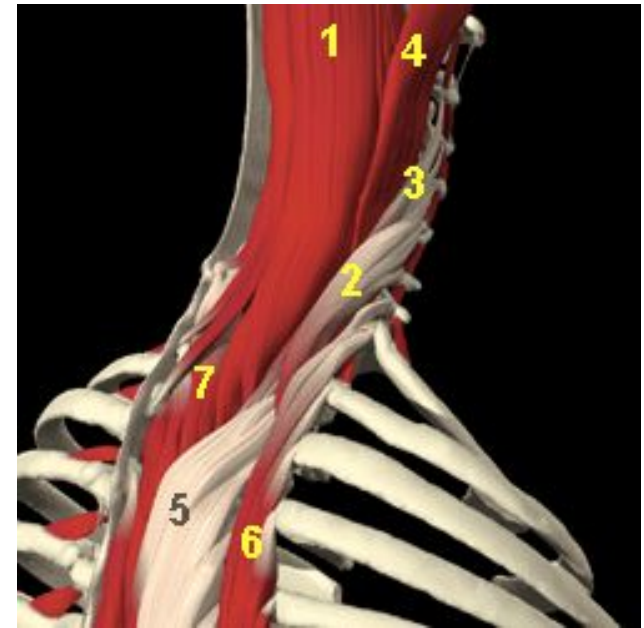
- Masseter: elevates mandible
- Temporalis: elevates mandible
- Medial Pterygoid: elevates mandible
- Lateral Pterygoid: depresses mandible



# Muscles that Move the Head

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- Sternocleidomastoid
  - Flexes head
  - Draws head to shoulder
- Semispinalis Capitis
  - Extends head
  - Rotates head up
- Splenius Capitis
  - Extends head
  - Rotates face to same side
- Longissimus Capitis
  - Extends head
  - Rotates face to same side



# Muscles of the Axial Skeleton

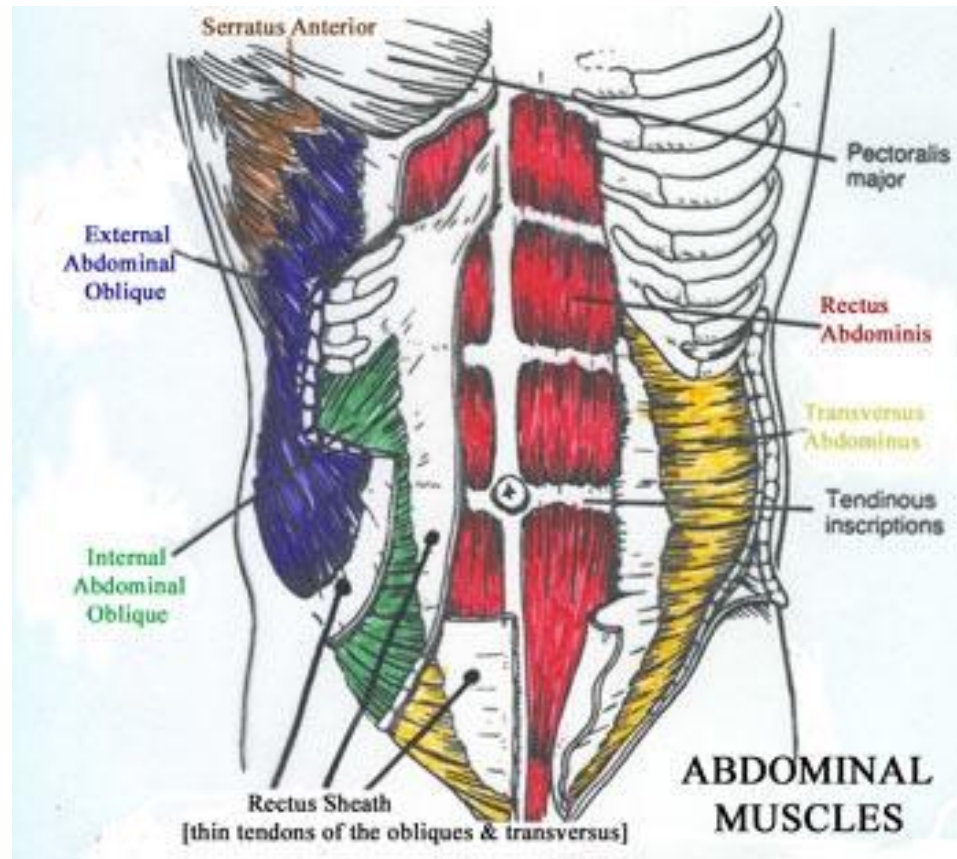
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- Intrinsic Muscles
  - Erector Spinae
    - Spinalis
    - Longissimus
    - Iliocostalis
  - Oblique Muscles
    - Semispinalis
    - Multifidus
    - Rotatores
- Muscles of Quiet Respiration
  - Diaphragm
  - External Intercostals
  - Internal Intercostals
- Abdominal Muscles
  - External Obliques
  - Internal Obliques
  - Transverse Abdominus
  - Rectus Abdominus
  - Quadratus Lumborum

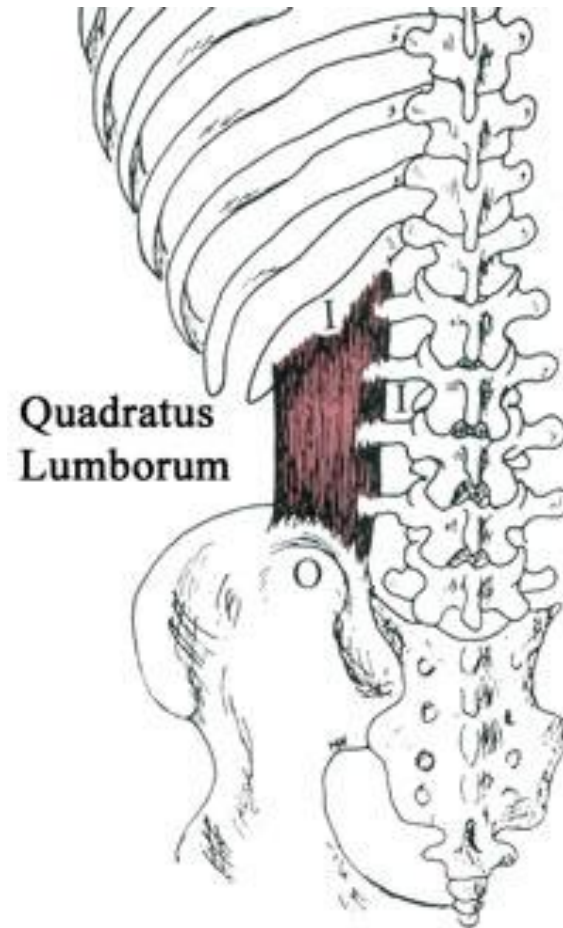
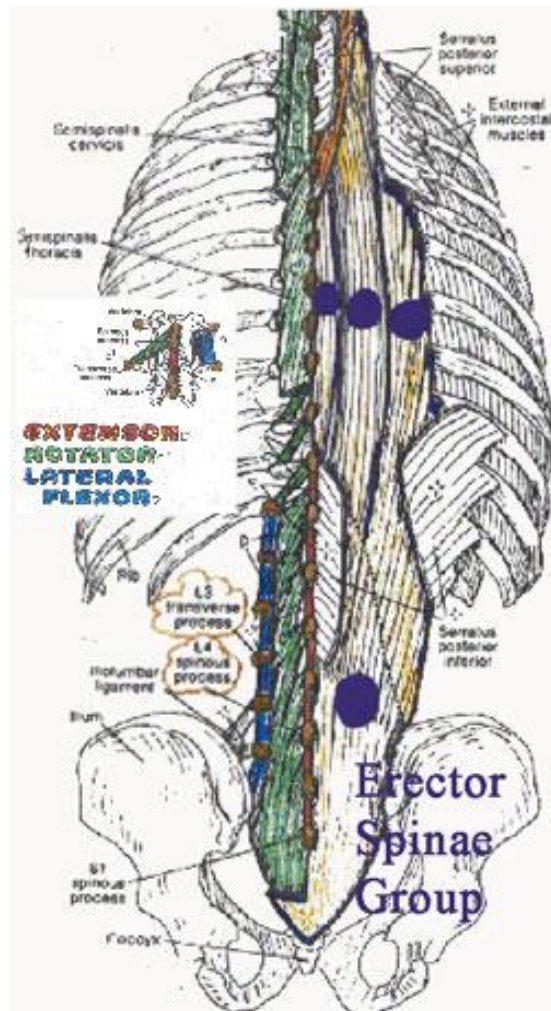


# Muscles of the Axial Skeleton

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# Muscles of the Axial Skeleton

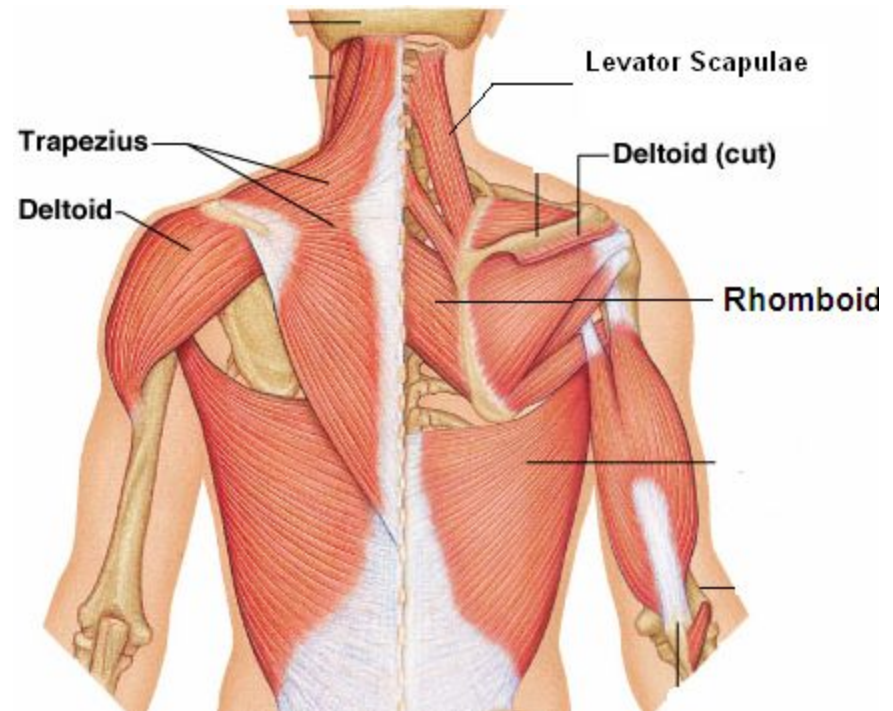




# Muscles of Scapular Stabilization

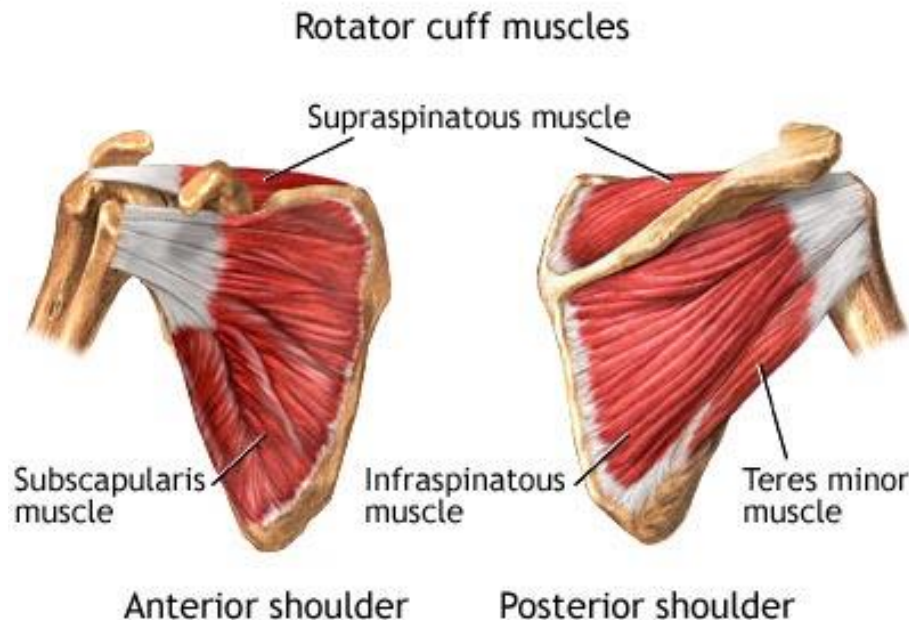
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- Trapezius
  - Retraction
  - Elevation
  - Depression
  - Upward Rotation
- Rhomboid
  - Retraction
- Levator Scapulae
  - Elevation
- Pectoralis Major
  - Protraction
- Serratus Anterior
  - Protraction



# Rotator Cuff Muscles

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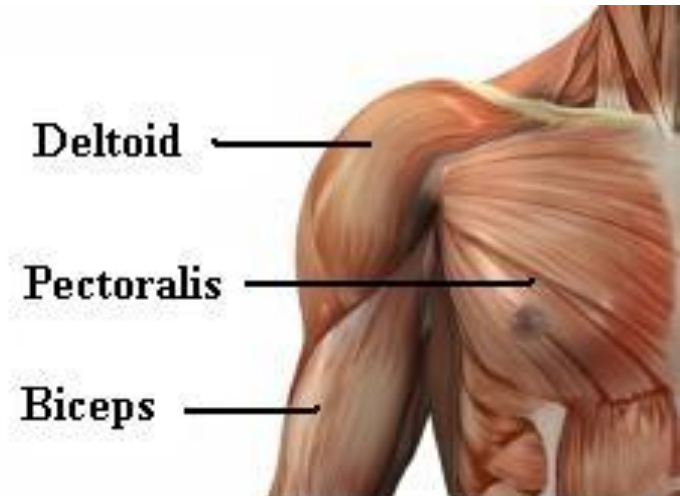


- Supraspinatus
  - Abduction
- Infraspinatus
  - External Rotation
- Teres Minor
  - External Rotation
- Subscapularis
  - Internal Rotation

# Muscles of Shoulder Joint

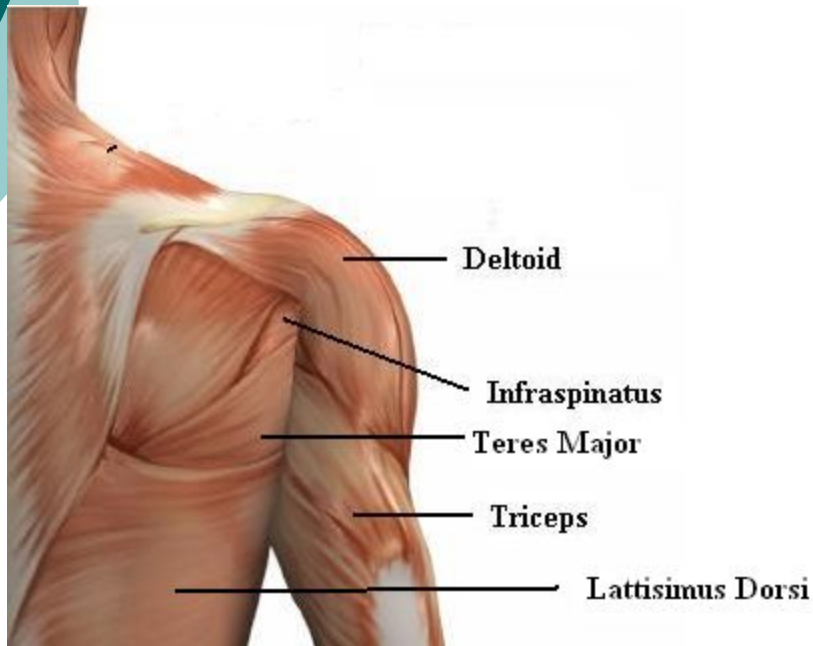
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- Deltoid
  - Flexion/Extension
  - Abduction/Adduction
  - Internal/External Rotation
- Pectoralis Major
  - Adduction
  - Extension
  - Flexion
  - Internal Rotation
- Biceps Brachii
  - Flexion



# Muscles of Shoulder Joint

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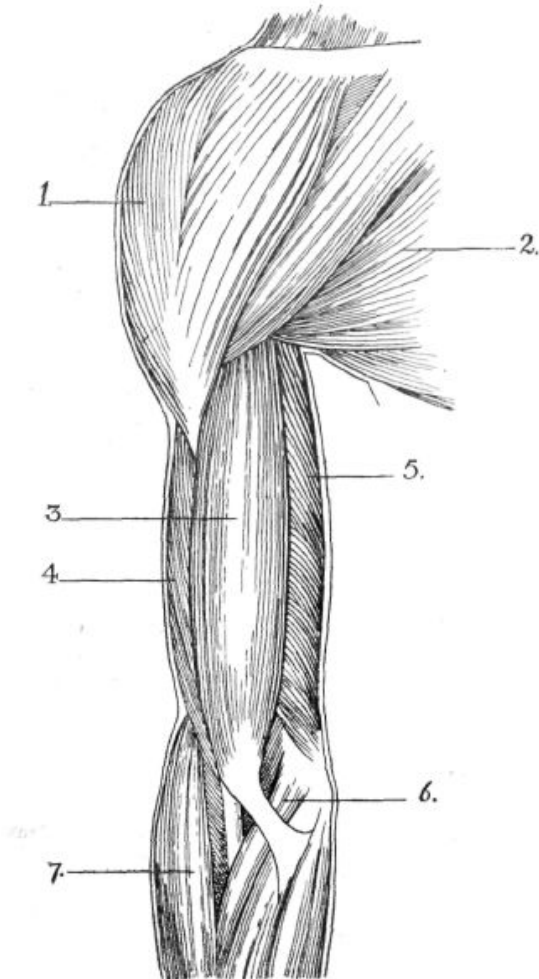


- Teres Major
  - Adduction
  - Extension
  - Internal Rotation
- Latissimus Dorsi
  - Adduction
  - Extension
  - Internal Rotation
- Triceps Brachii
  - Adduction
  - Flexion

# Muscles of the Elbow & Radioulnar Joints

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- Triceps Brachii
  - Extend elbow
- Bicep Brachii (3,5)
  - Flex elbow
  - Supinate Forearm
- Brachialis (4)
  - Flex elbow
- Brachioradialis
  - Flex elbow
  - Pronate forearm
- Pronator Teres (6)
- Supinator Longus (7)



# Muscles of the Forearm/Wrist/Hand

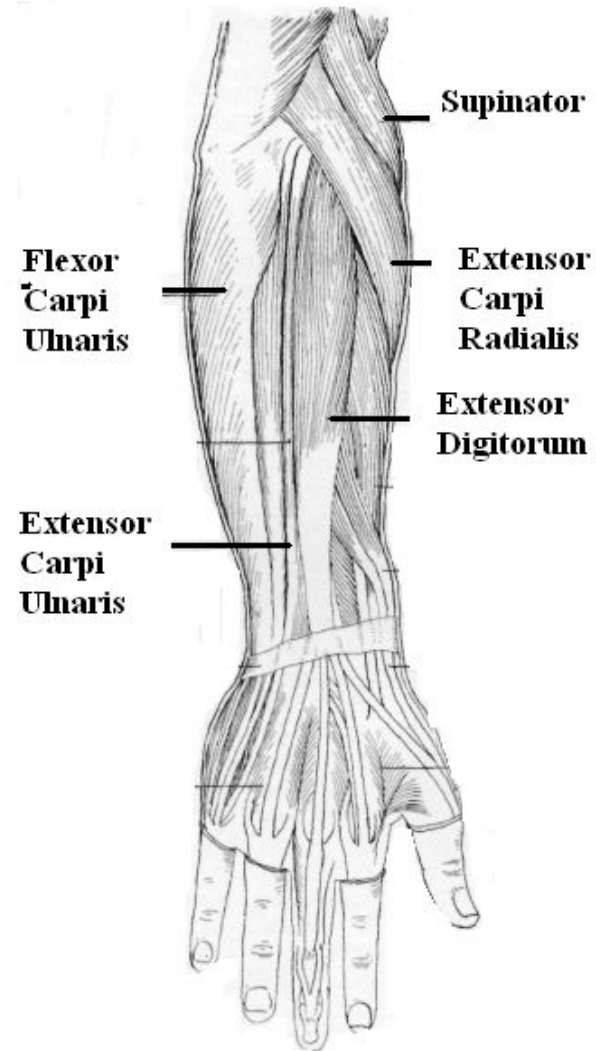
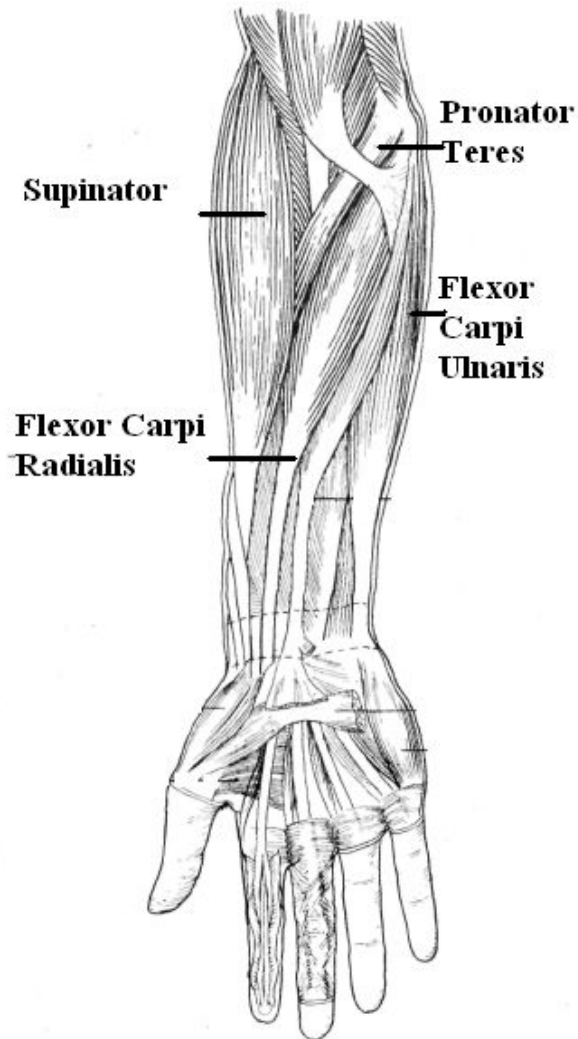
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- Pronator Teres
- Supinator
- Flexor Carpi Ulnaris
- Flexor Carpi Radialis
- Flexor Digitorum
- Extensor Carpi Ulnaris
- Extensor Carpi Radialis
- Extensor Digitorum
- Pronate forearm
- Supinate forearm
- Flex, abduct wrist
- Flex, abduct wrist
- Flex fingers
- Extend wrist
- Extend wrist
- Extend fingers



# Muscles of the Forearm/Wrist

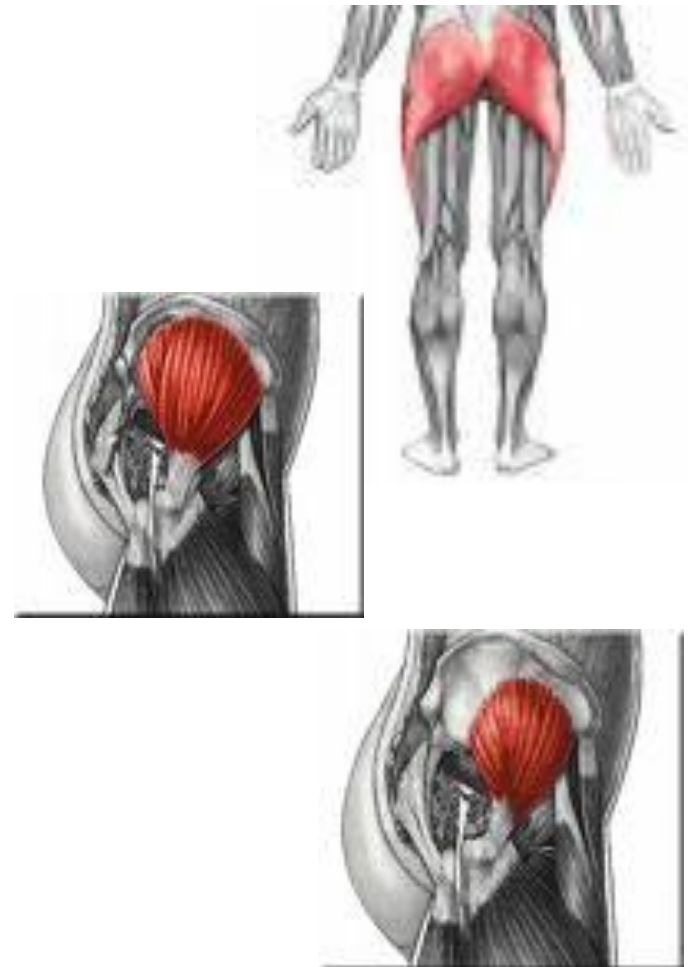
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# Muscles of the Hip/Thigh

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- Gluteal Muscles:
  - Gluteus Maximus: hip extension
  - Gluteus Medius: hip abduction, internal rotation
  - Gluteus Minimus: hip abduction, internal rotation



# Muscles of the Hip/Thigh

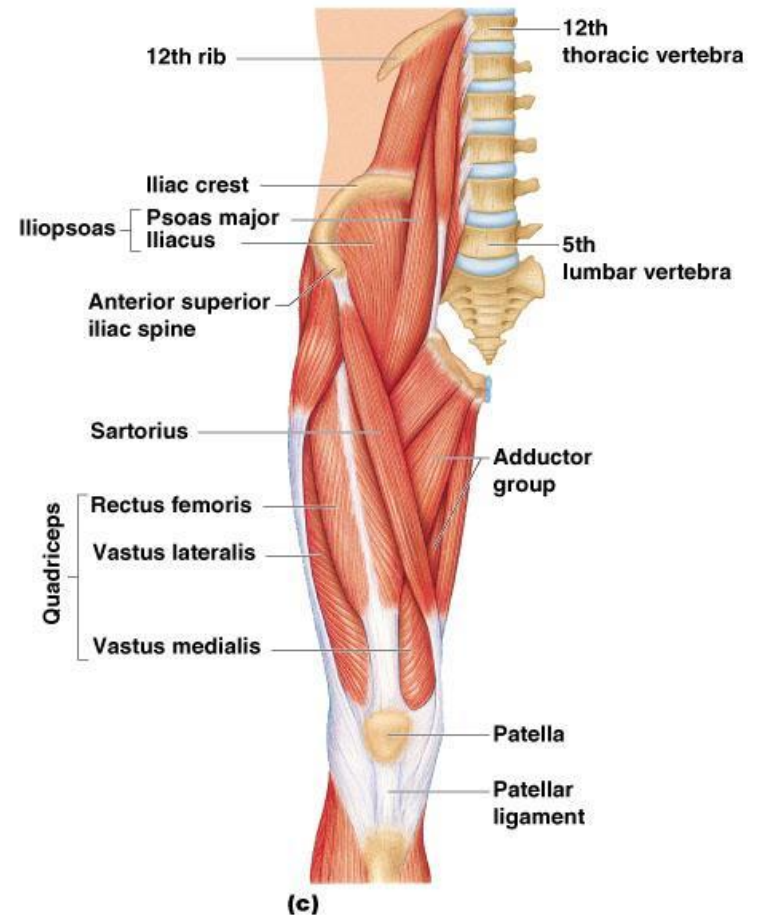
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- Adductor Muscles
  - Adductor Longus:
  - Adductor Magnus
  - Adductor Brevis
  - Gracilis

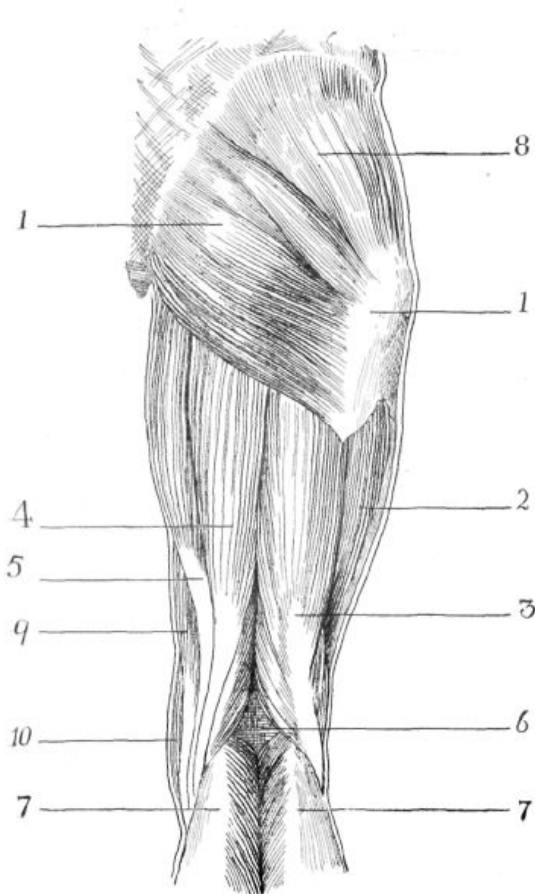
# Muscles of the Hip/Thigh

- Anterior Thigh
  - Sartorius:  
flexion/external rotation
  - Quadriceps Femoris: Knee Ext.
    - Rectus Femoris:  
hip flexion, knee extension
    - Vastus Lateralis
    - Vastus Medialis
    - Vastus Intermedius



# Muscles of Hip/Thigh

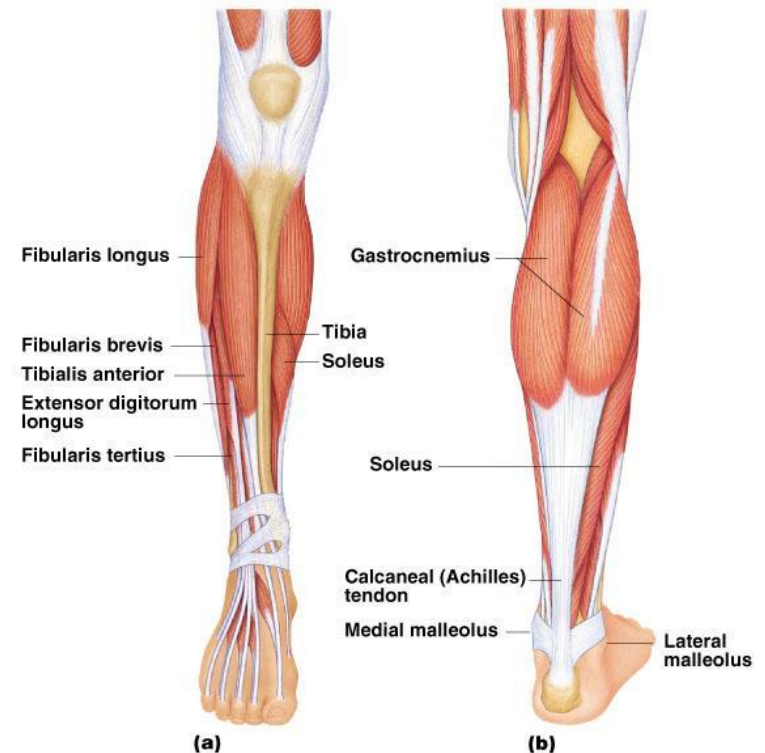
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- Hamstrings
  - Semimembranosus
  - Semitendinosus
  - Biceps Femoris
- Responsible for Hip Extension & Knee Flexion

# Muscles of the Lower Leg: Ant.

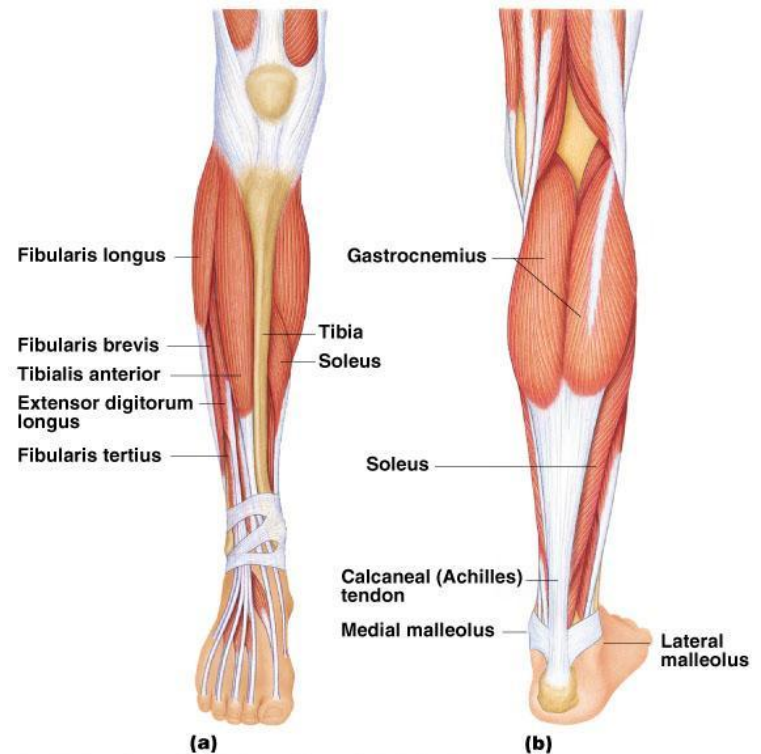
- Responsible for dorsiflexion of foot
- Tibialis Anterior
- Extensor Hallucis Longus
- Extensor Digitorum Longus
- Fibularis Longus\*
- Fibularis Brevis\*
- Fibularis Tertius





# Muscles of Lower Leg: Posterior

- Primarily responsible for plantarflexion of foot
- Gastrocnemius
- Soleus
- Flexor hallucis Longus
- Flexor Digitorum Longus



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