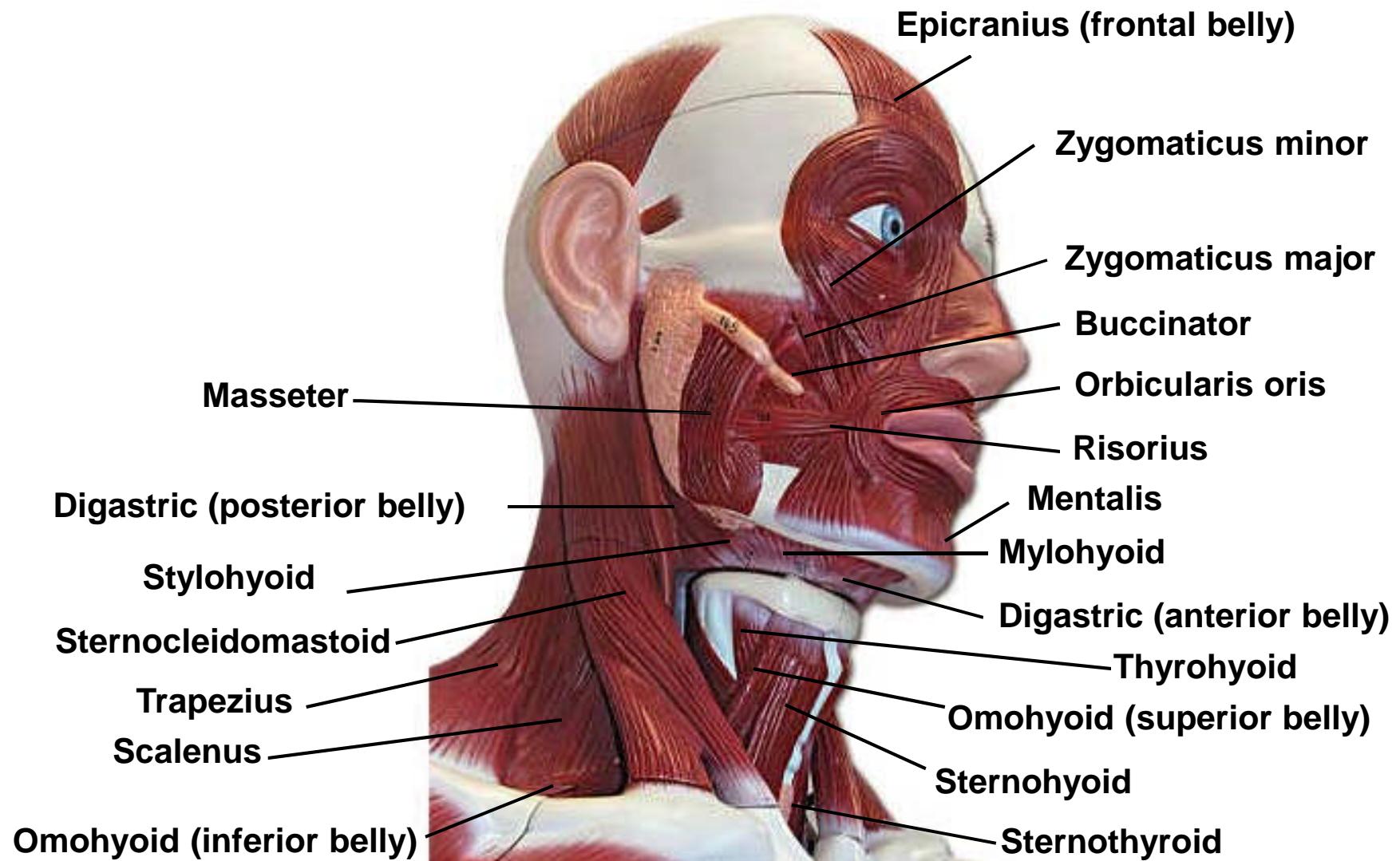
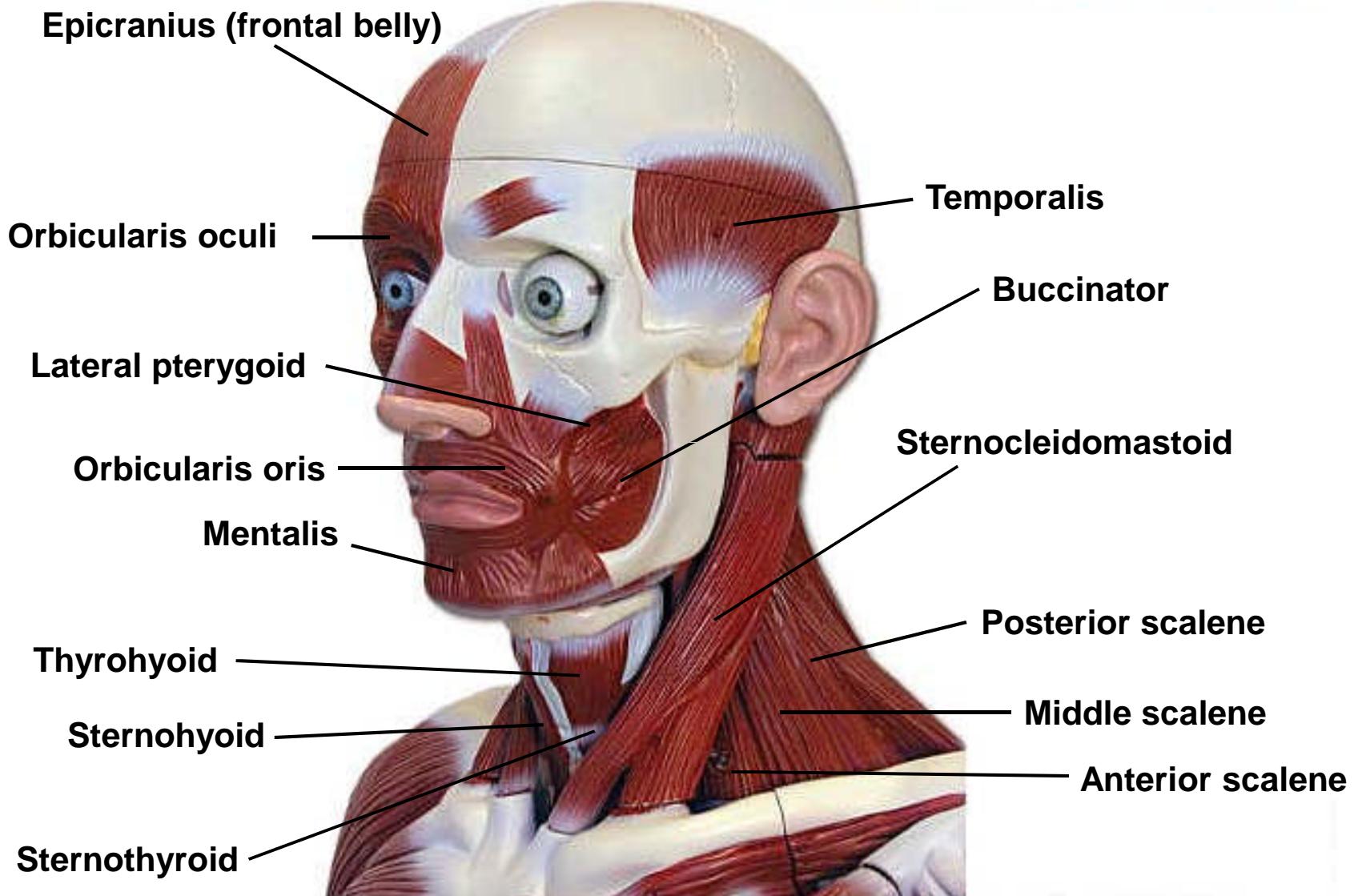


Superficial muscles of the head and neck, anterolateral view



LT-VA16: Life-Size Muscle Torsos, 27-part, 3B Scientific®

Deep muscles of the head and neck, anterolateral view



LT-VA 16: Life-Size Muscle Torso, 27-part, 3B Scientific®

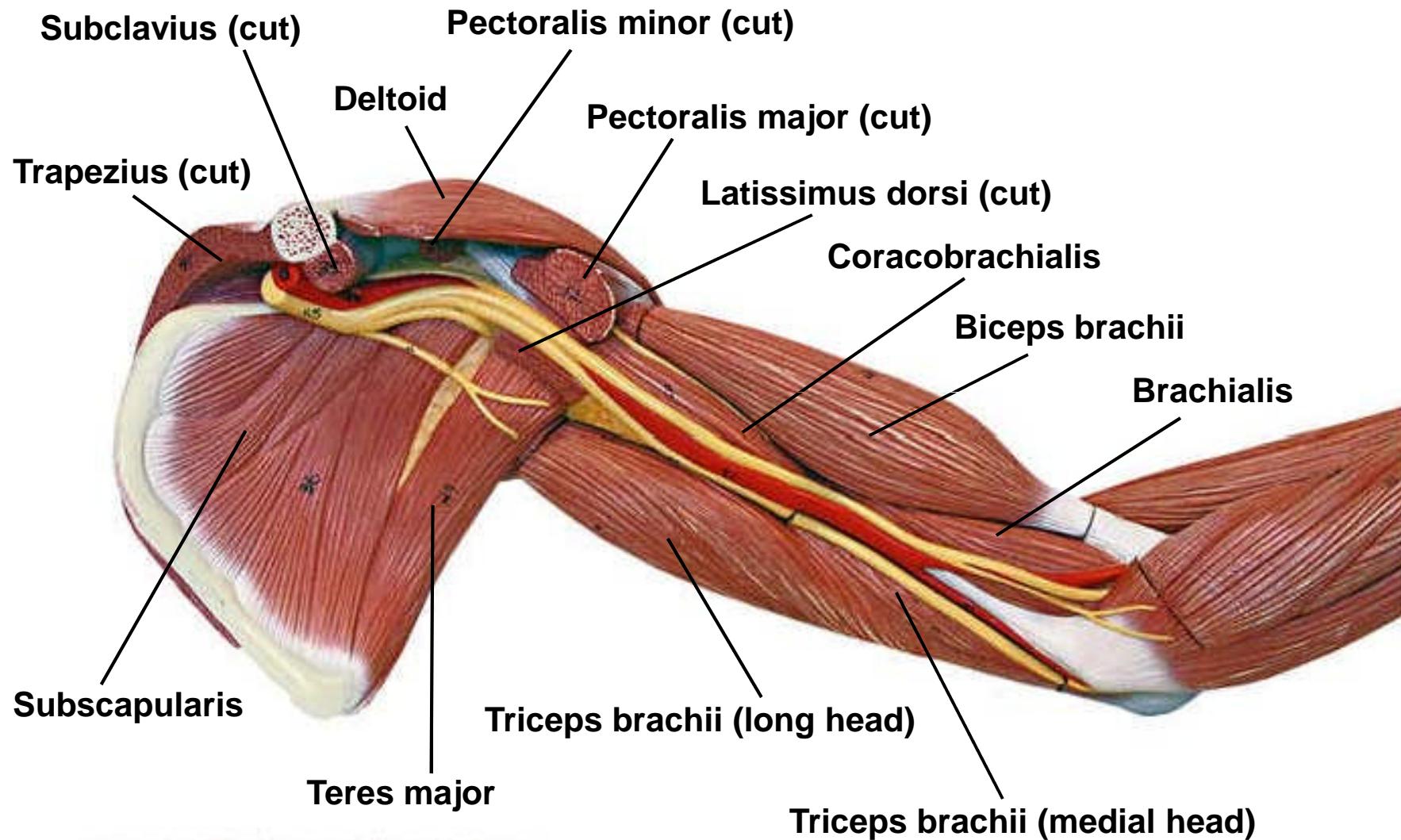
Muscles of the head, neck and trunk; lateral view



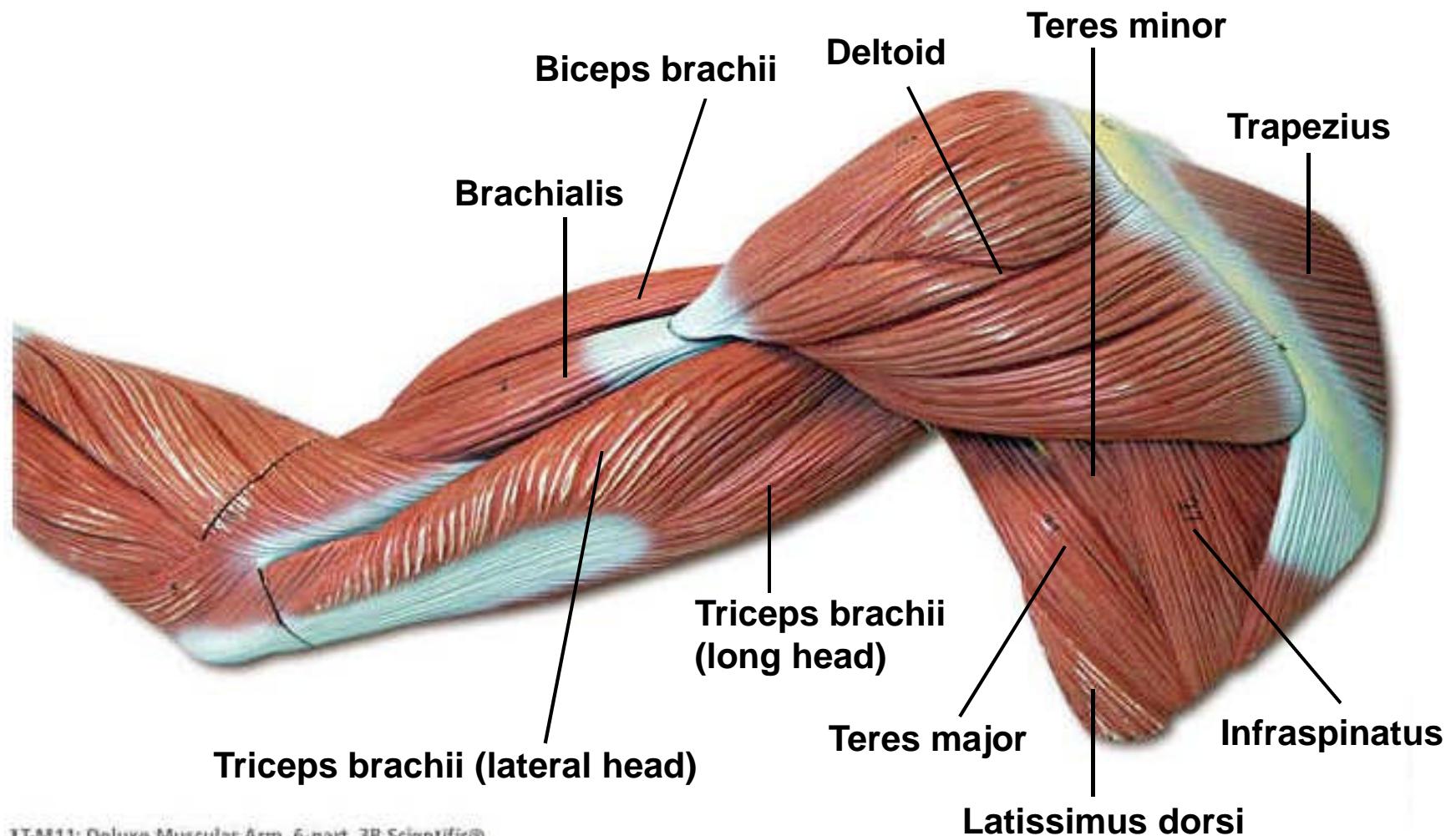
Muscles of the head and neck, anterior view



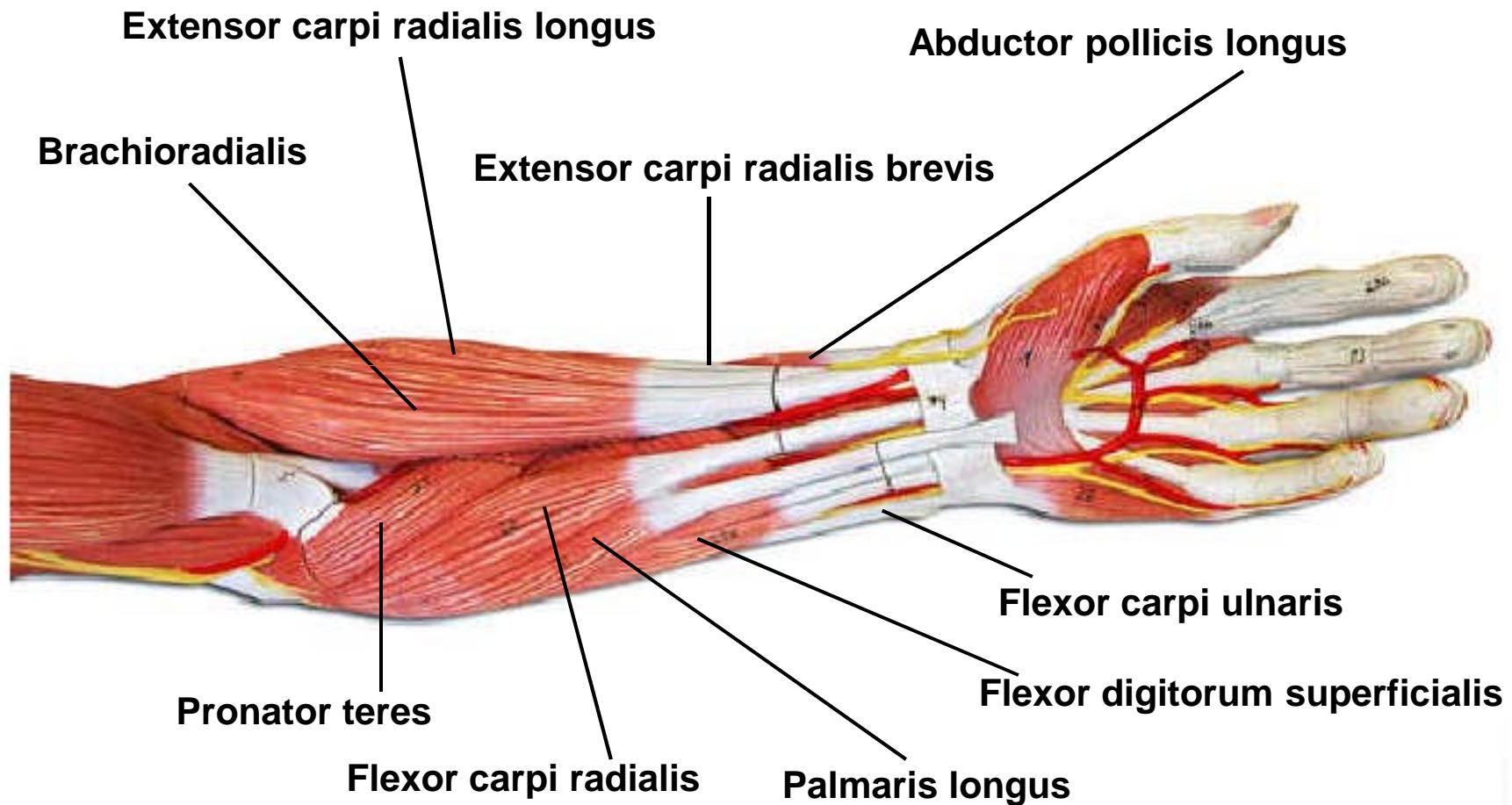
Muscles of the scapula, arm, and forearm, anterior view, left side



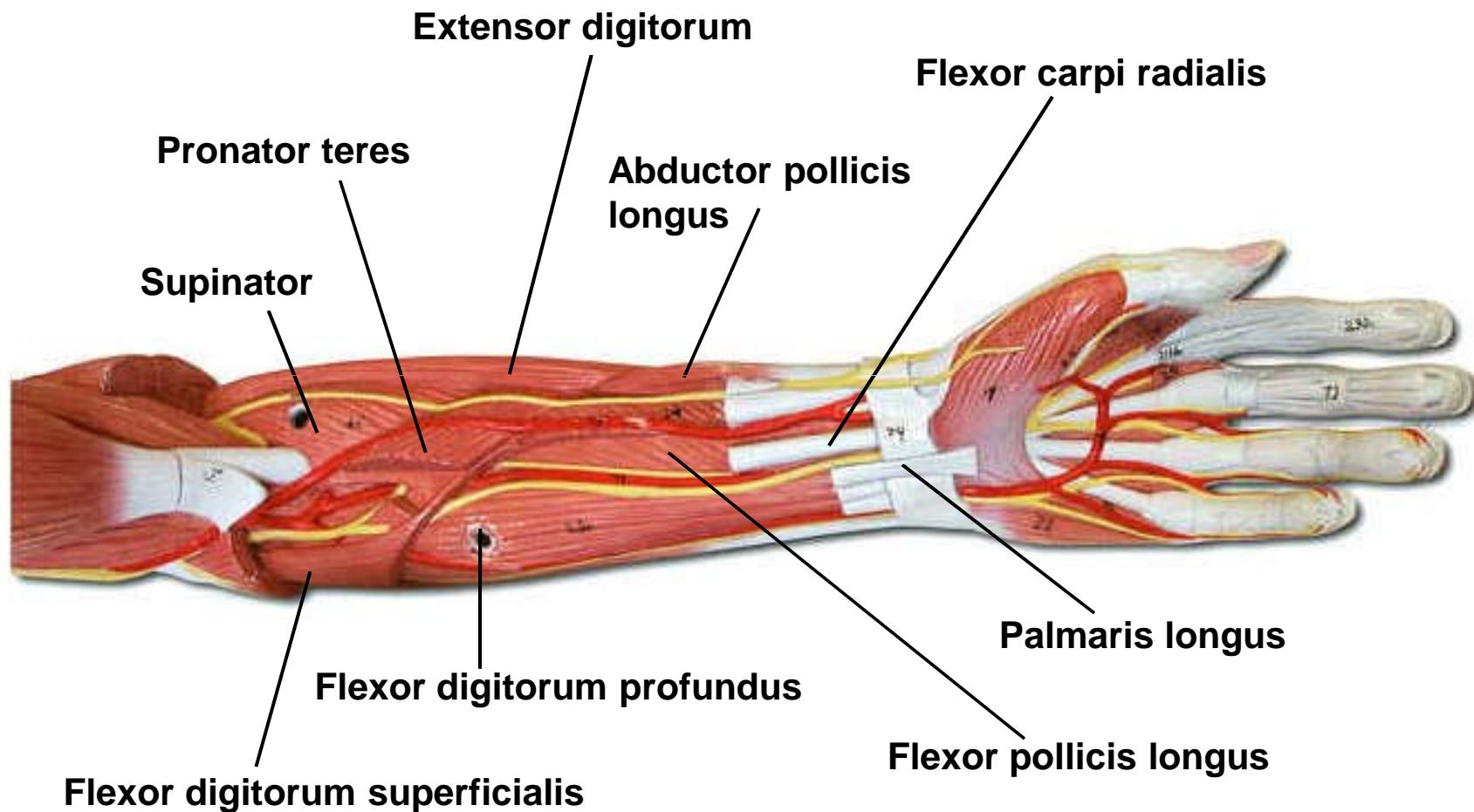
Superficial muscles of the scapula and arm, posterior view.



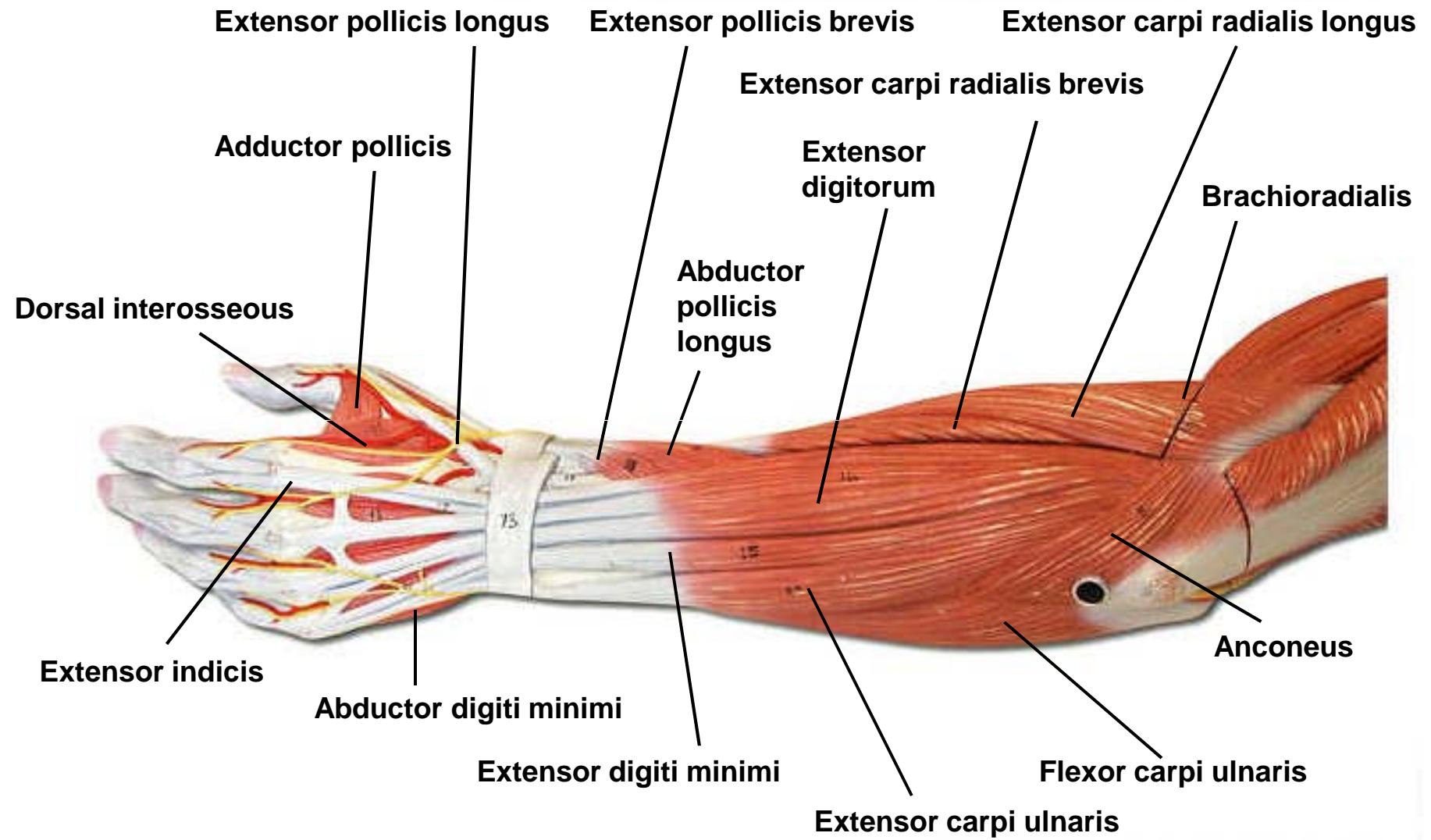
Superficial muscles of the forearm, anterior view, left side



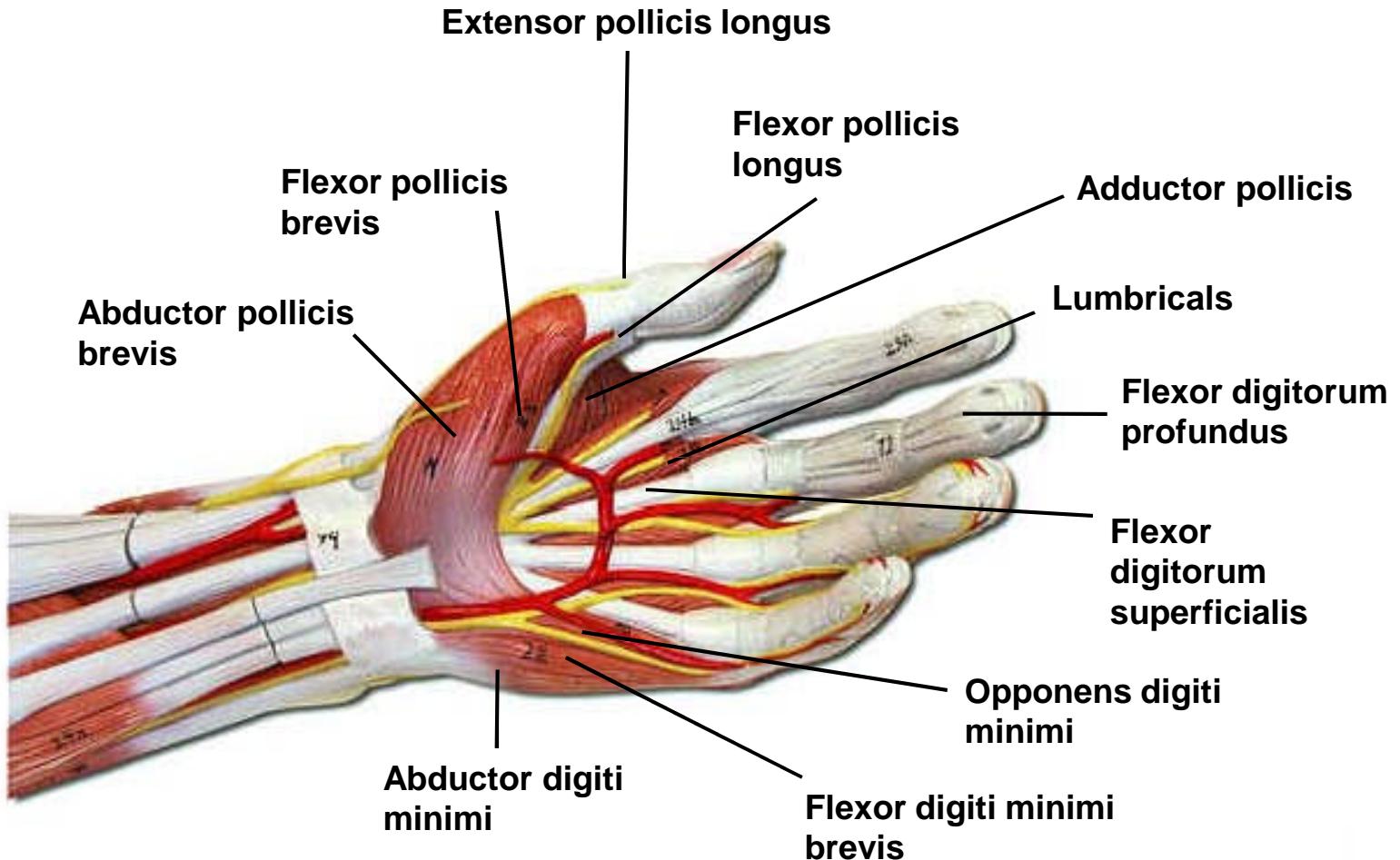
Deep muscles of the forearm, anterior view, left side



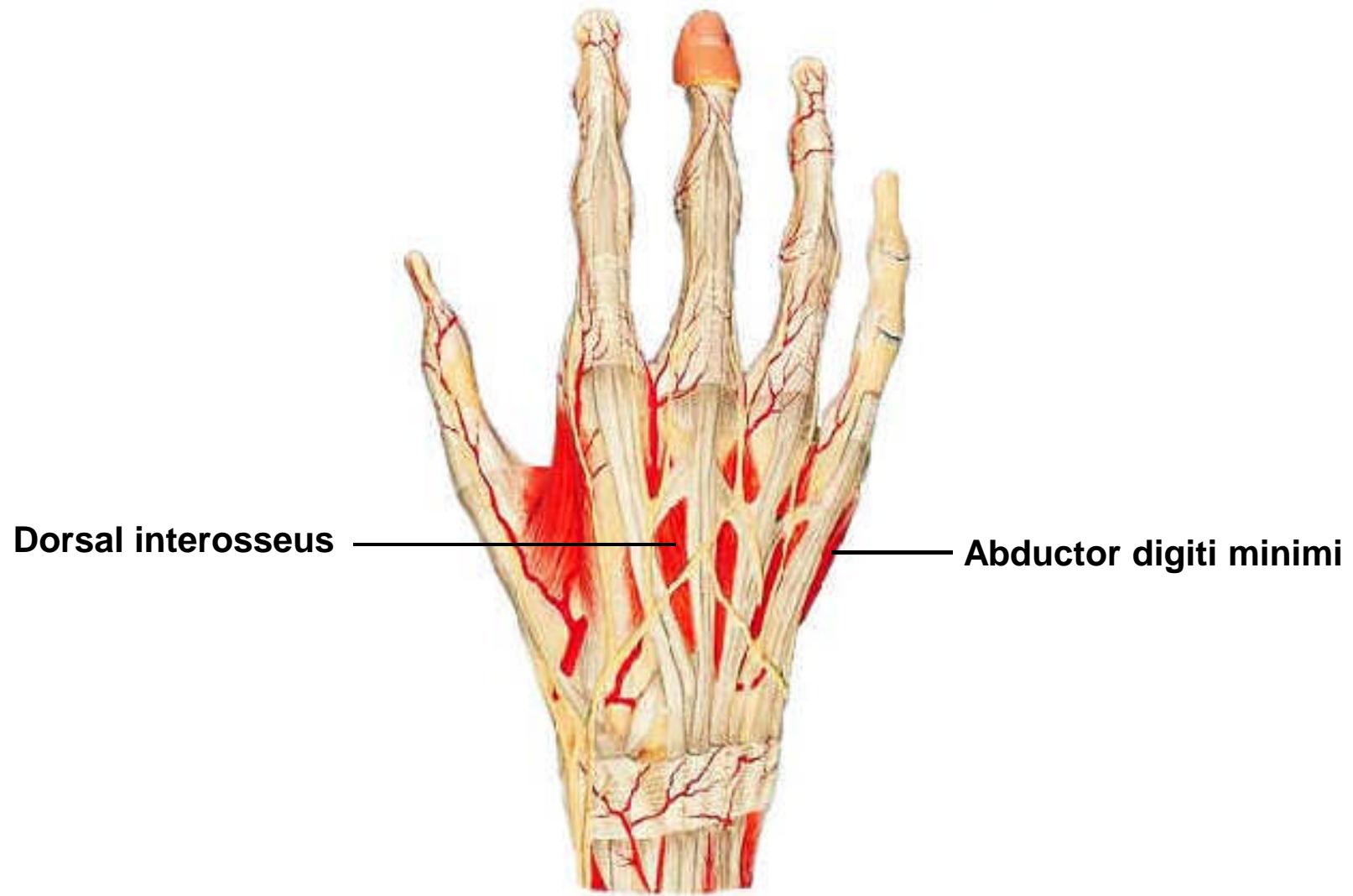
Superficial muscles of the forearm and hand, posterior view, left side



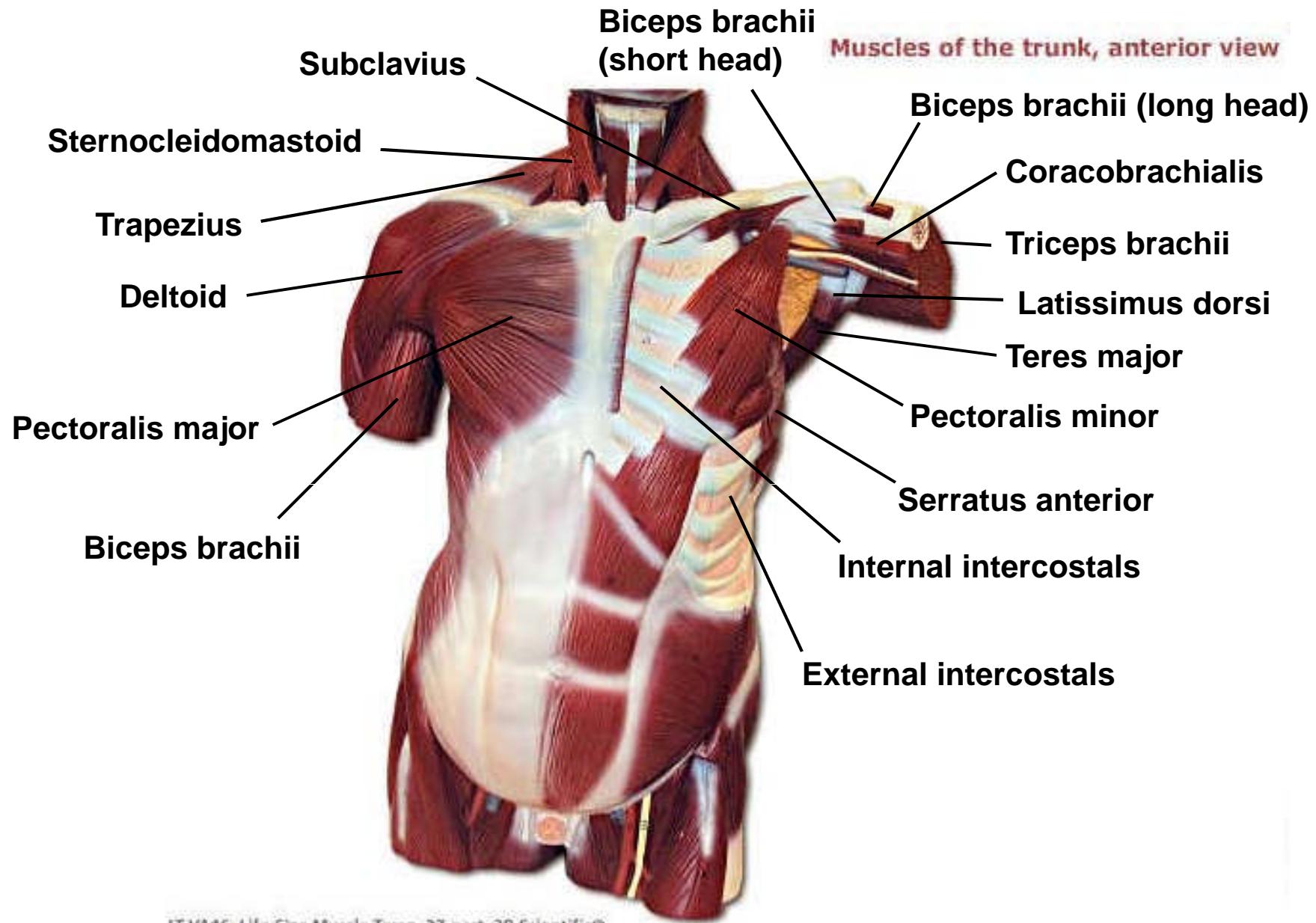
Muscles of the hand, anterior view, left side



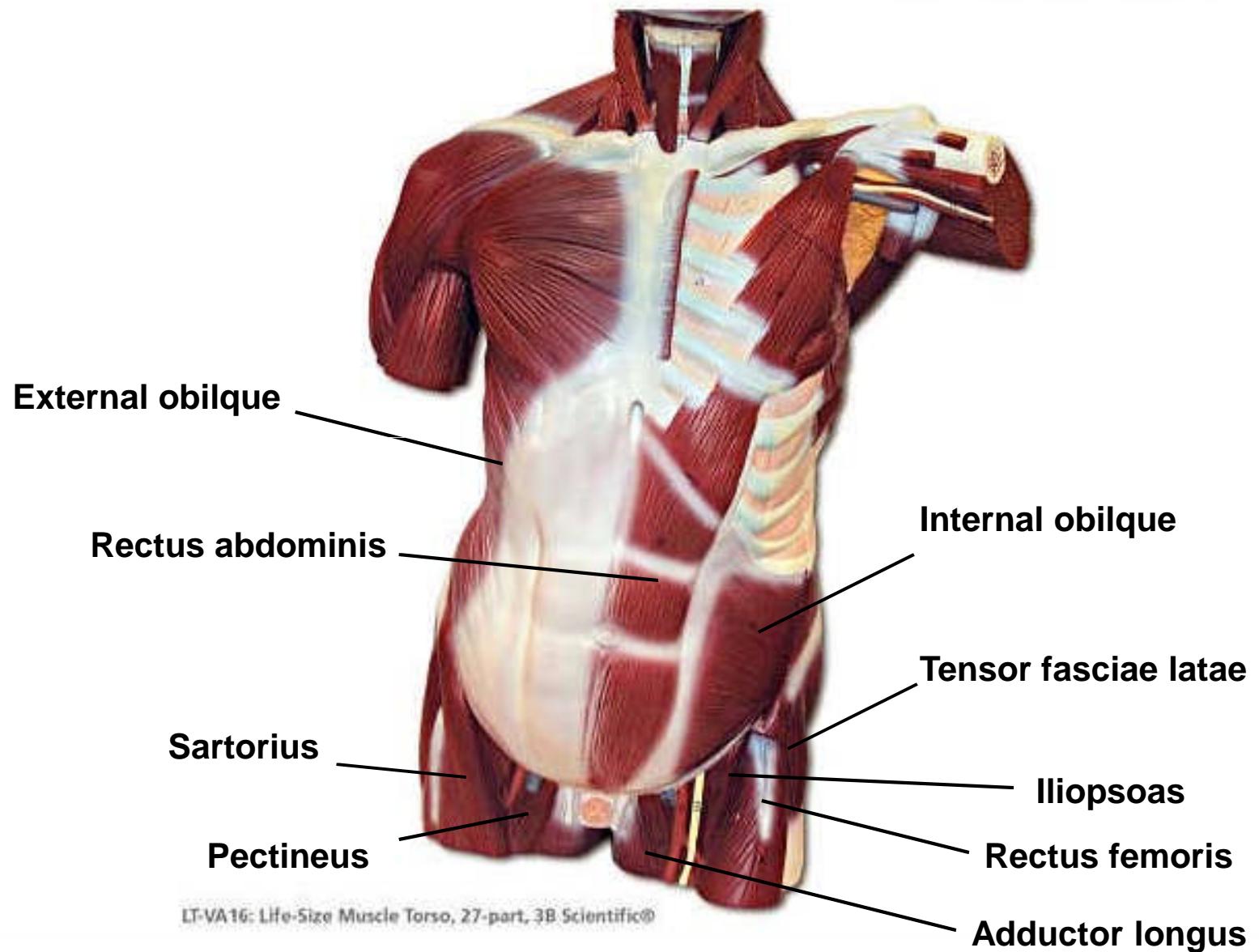
Muscles of the hand, posterior view, right side

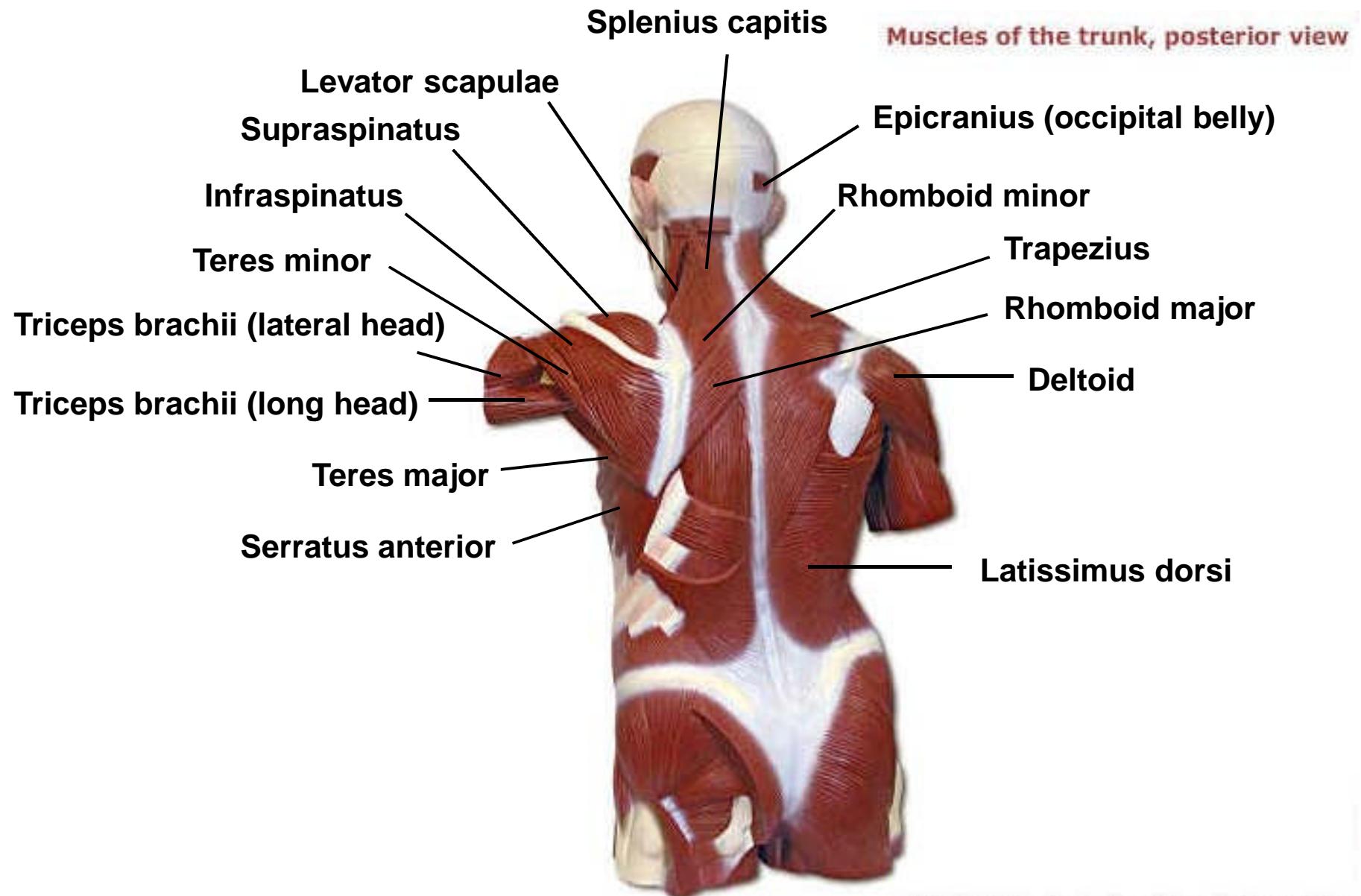


Muscles of the trunk, anterior view

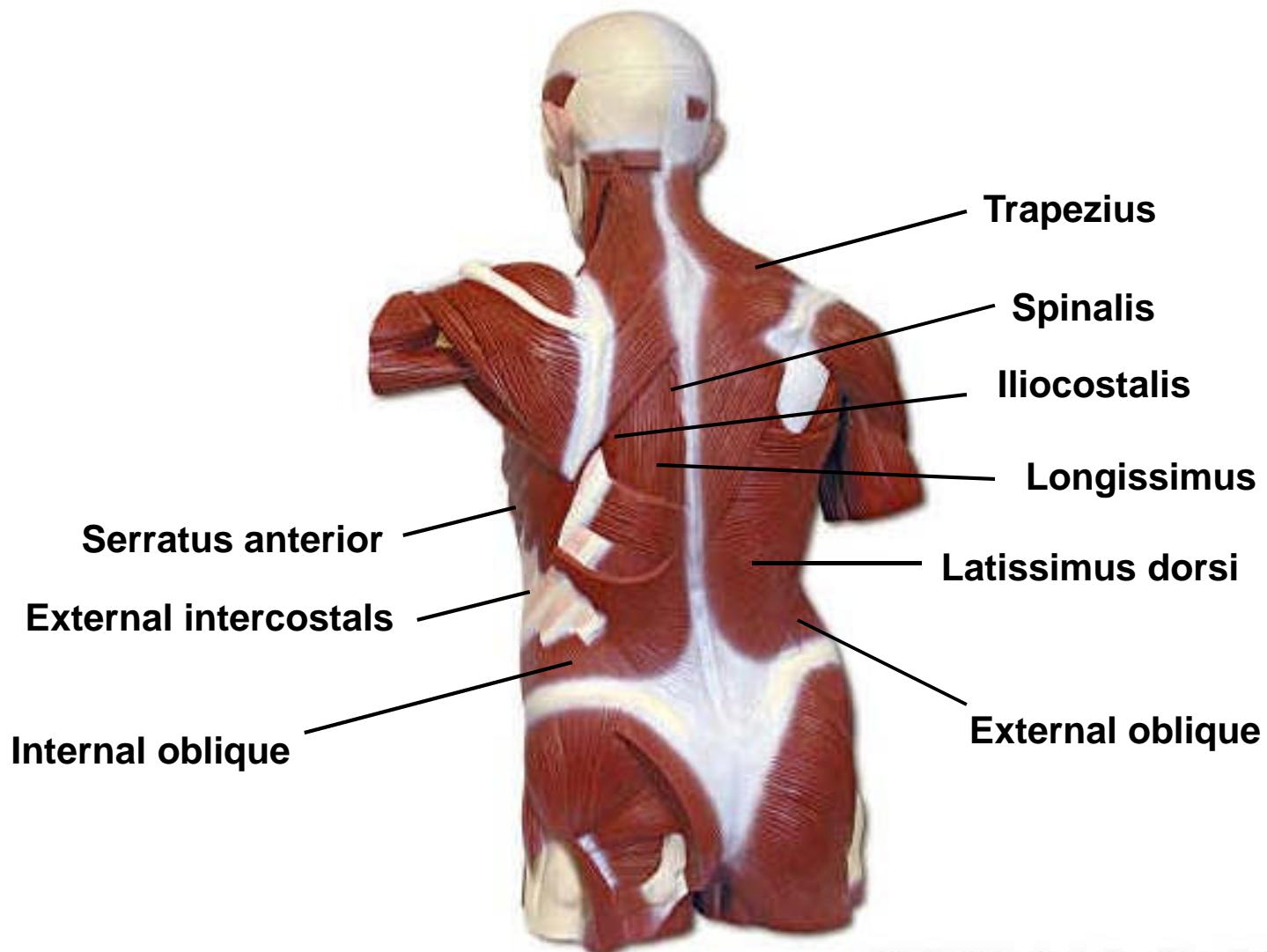


Muscles of the trunk, anterior view

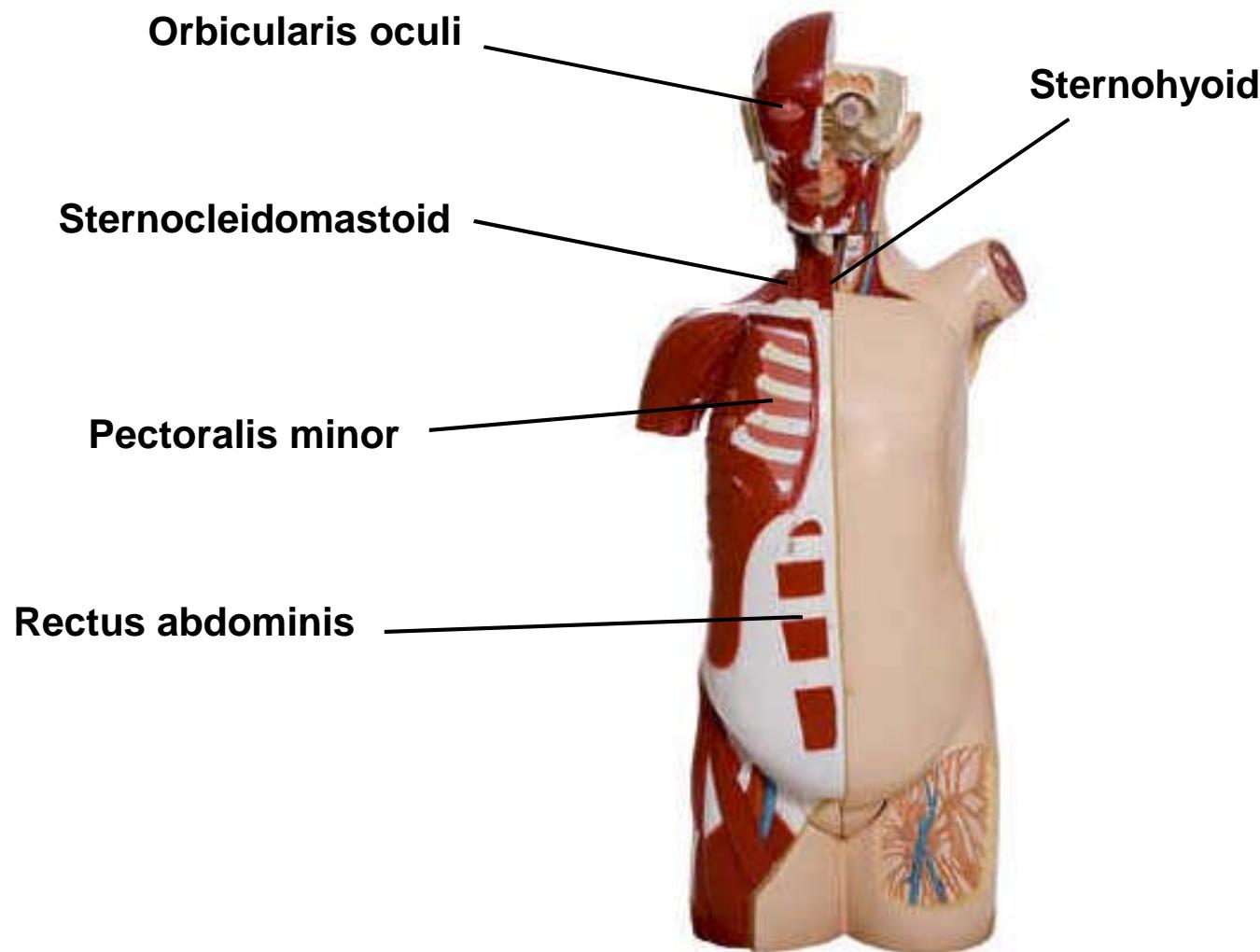




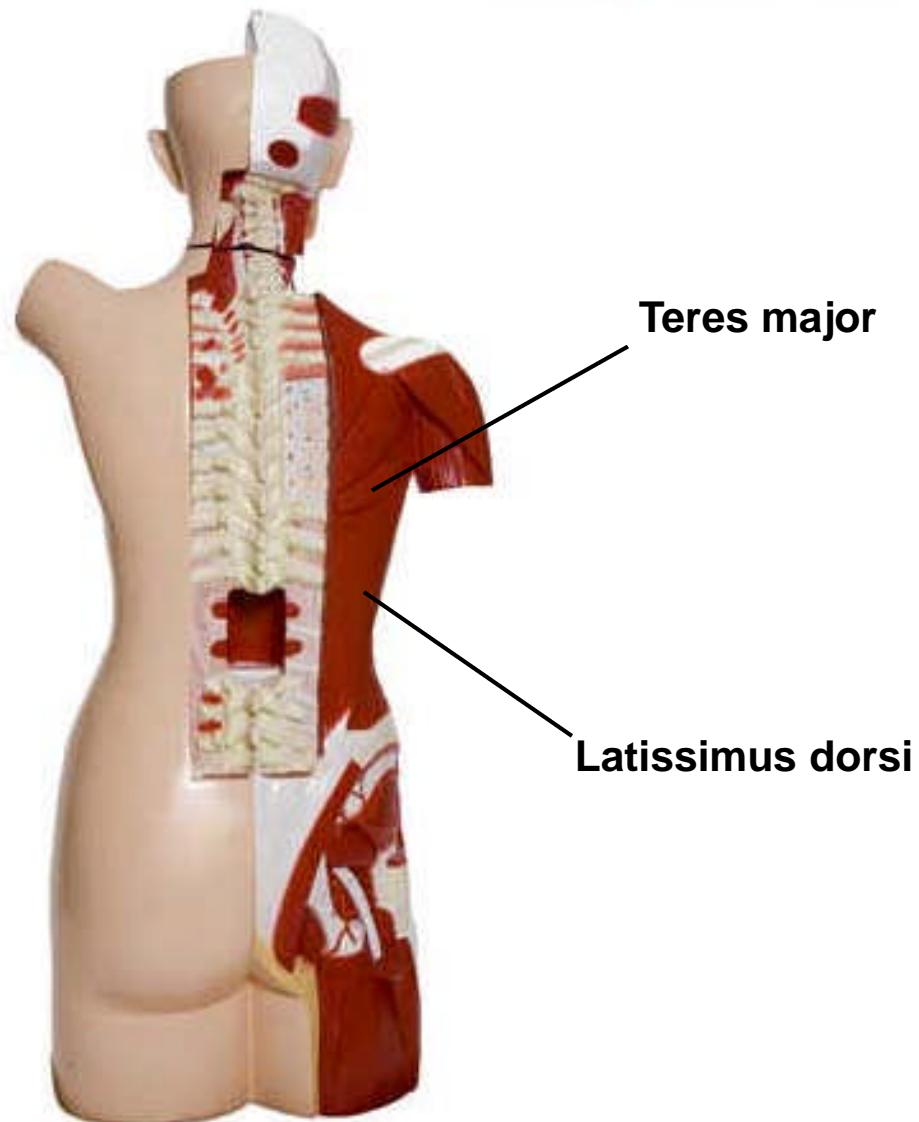
Muscles of the trunk, posterior view

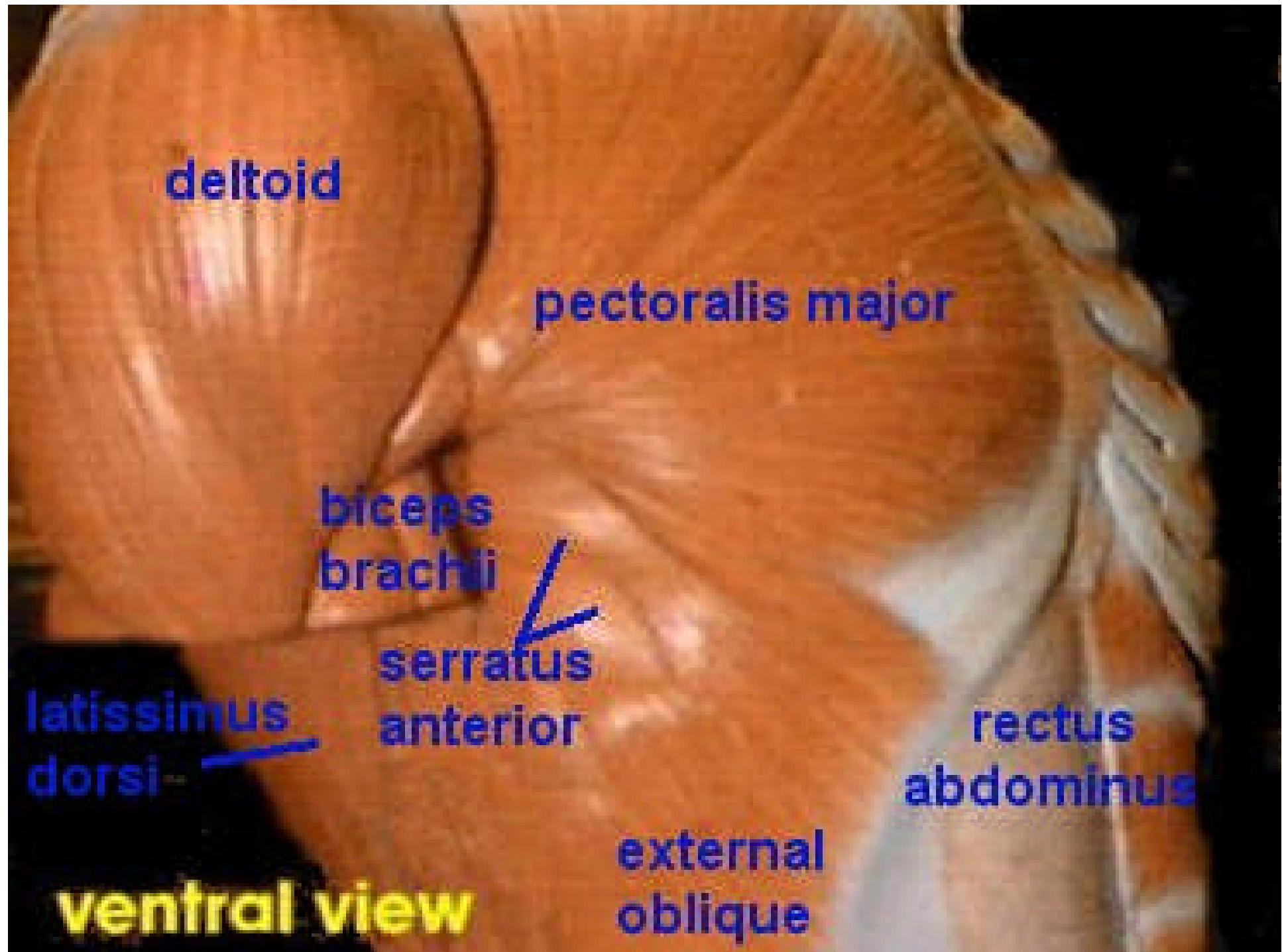


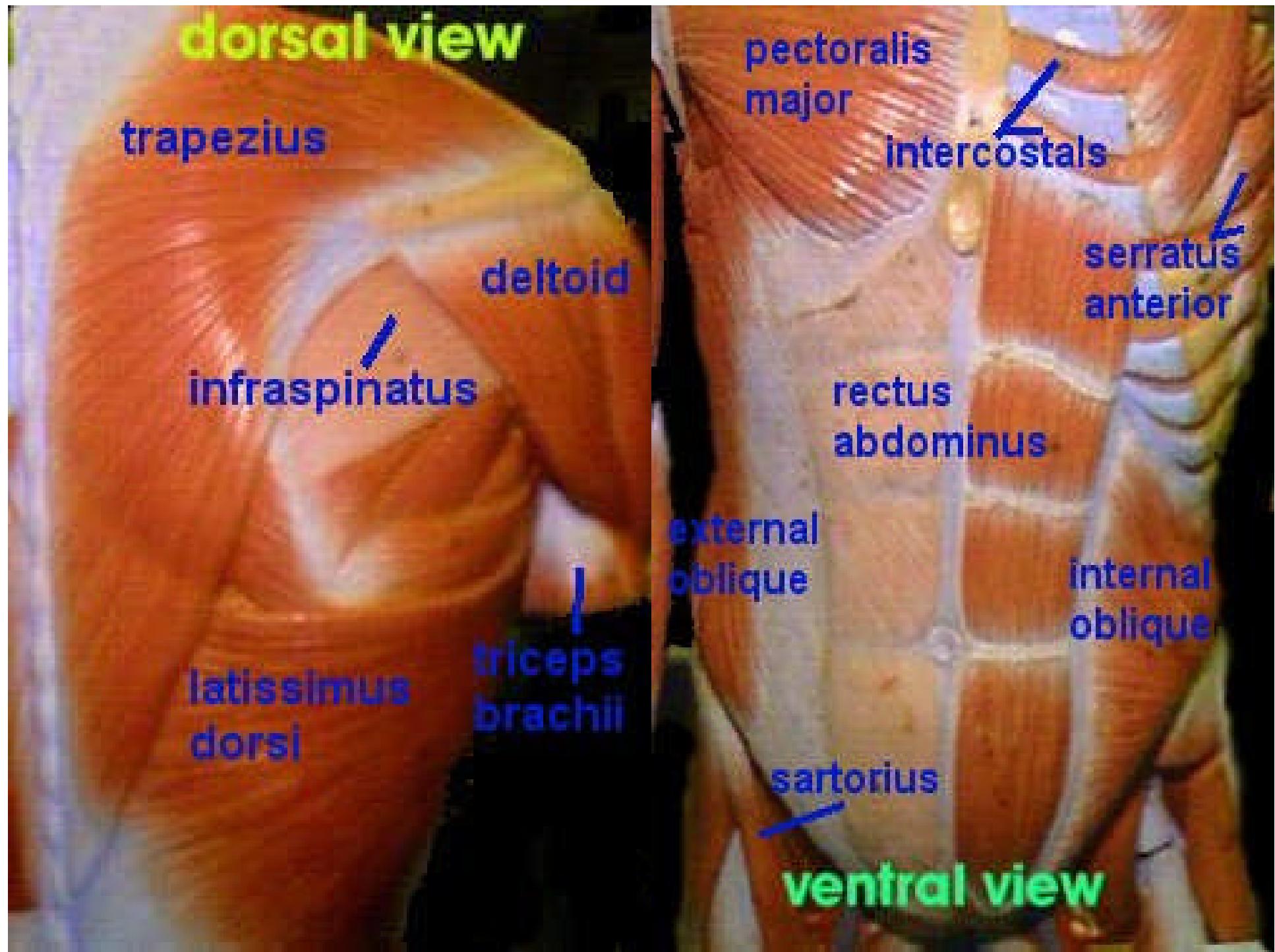
Muscles of the head, neck and trunk; anterior view

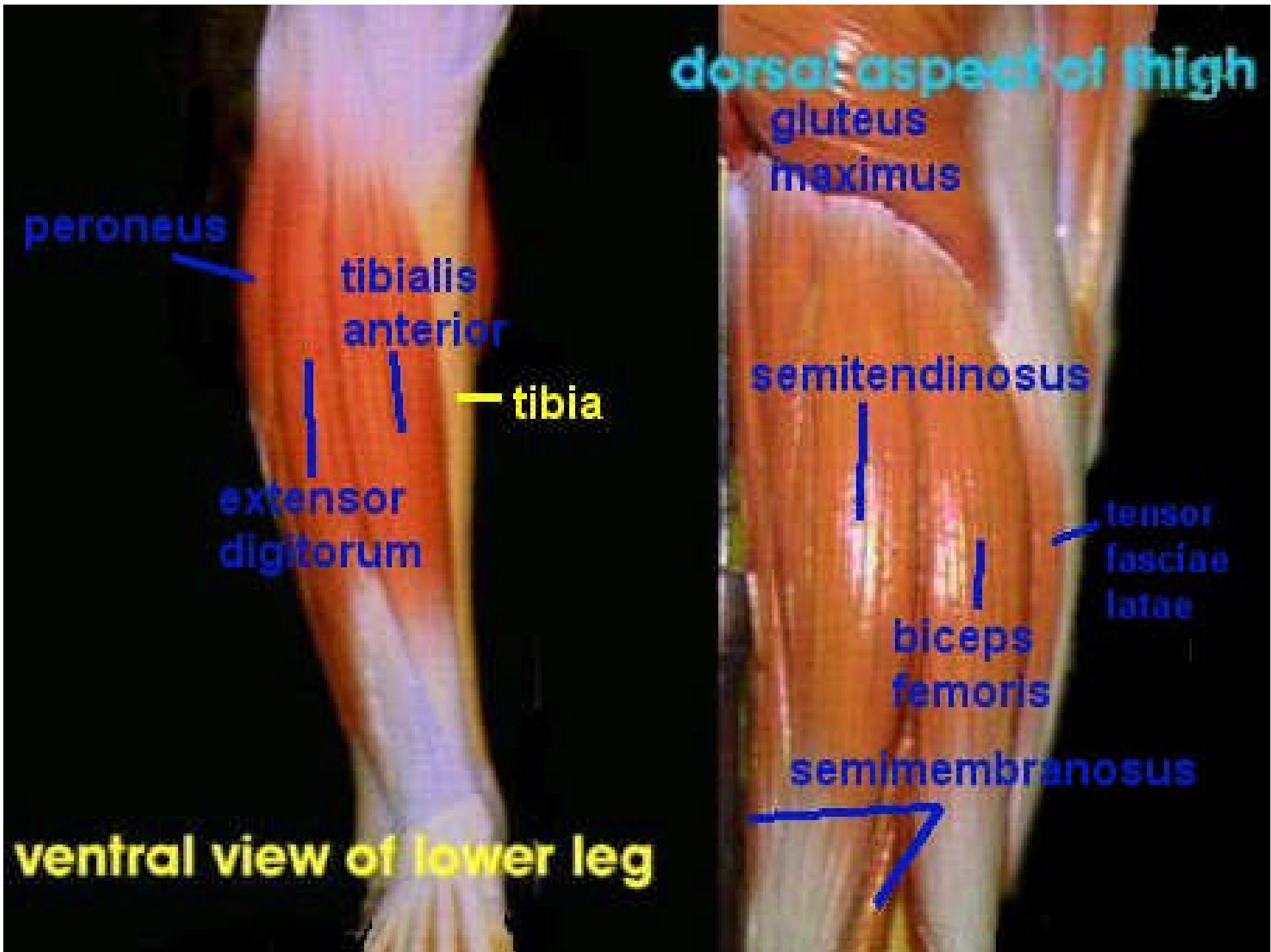


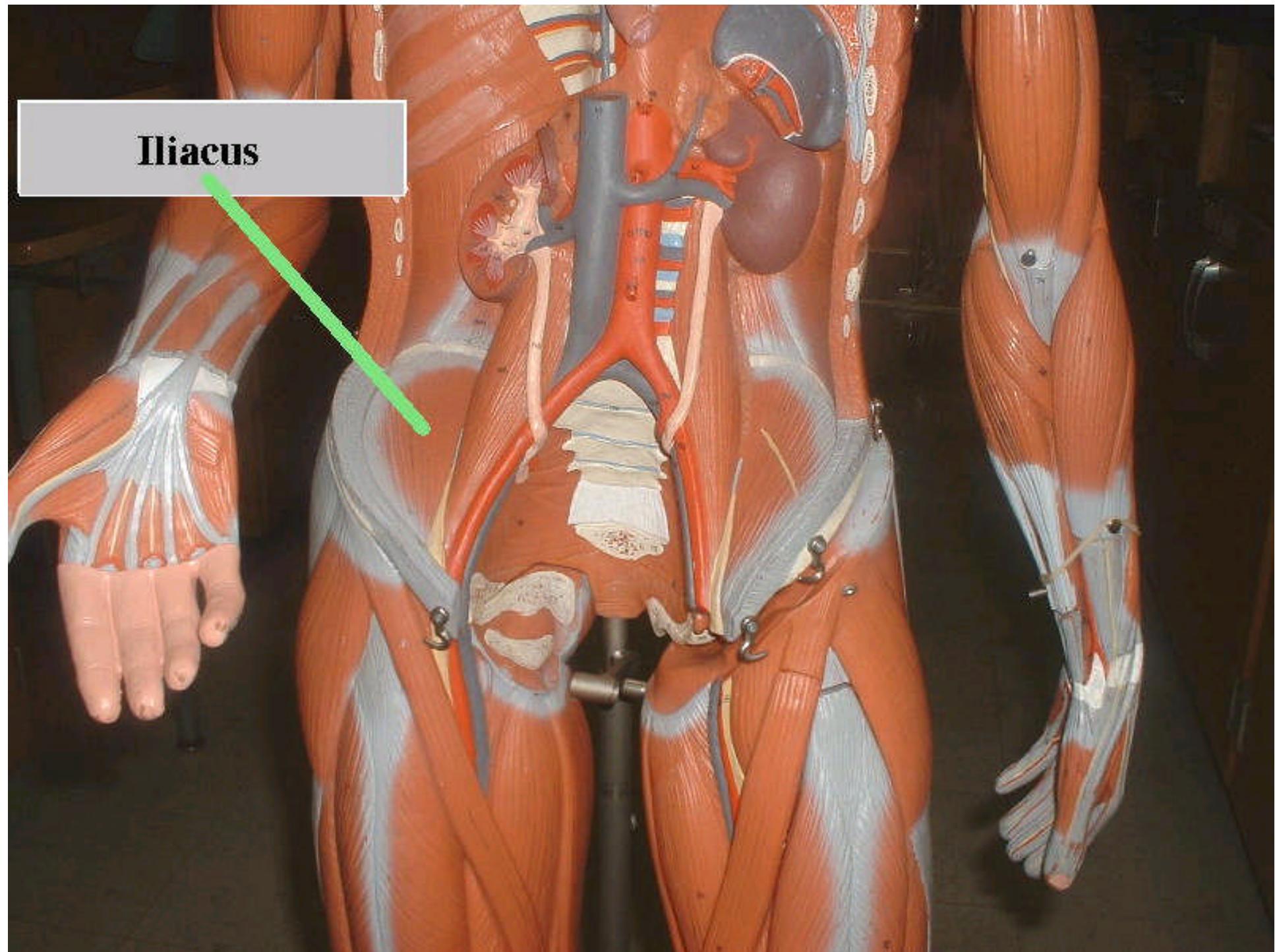
Muscles of the trunk, posterior view



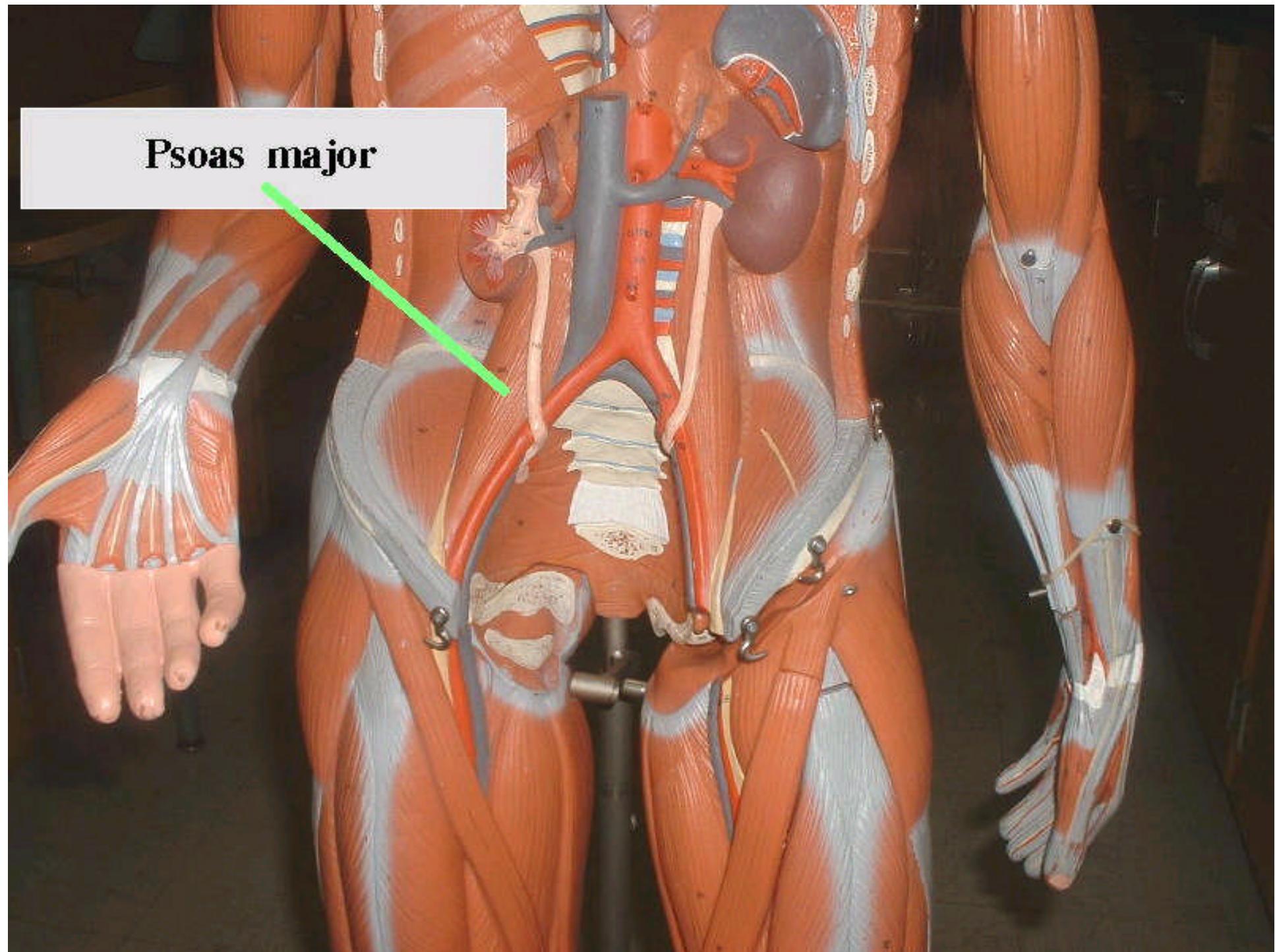


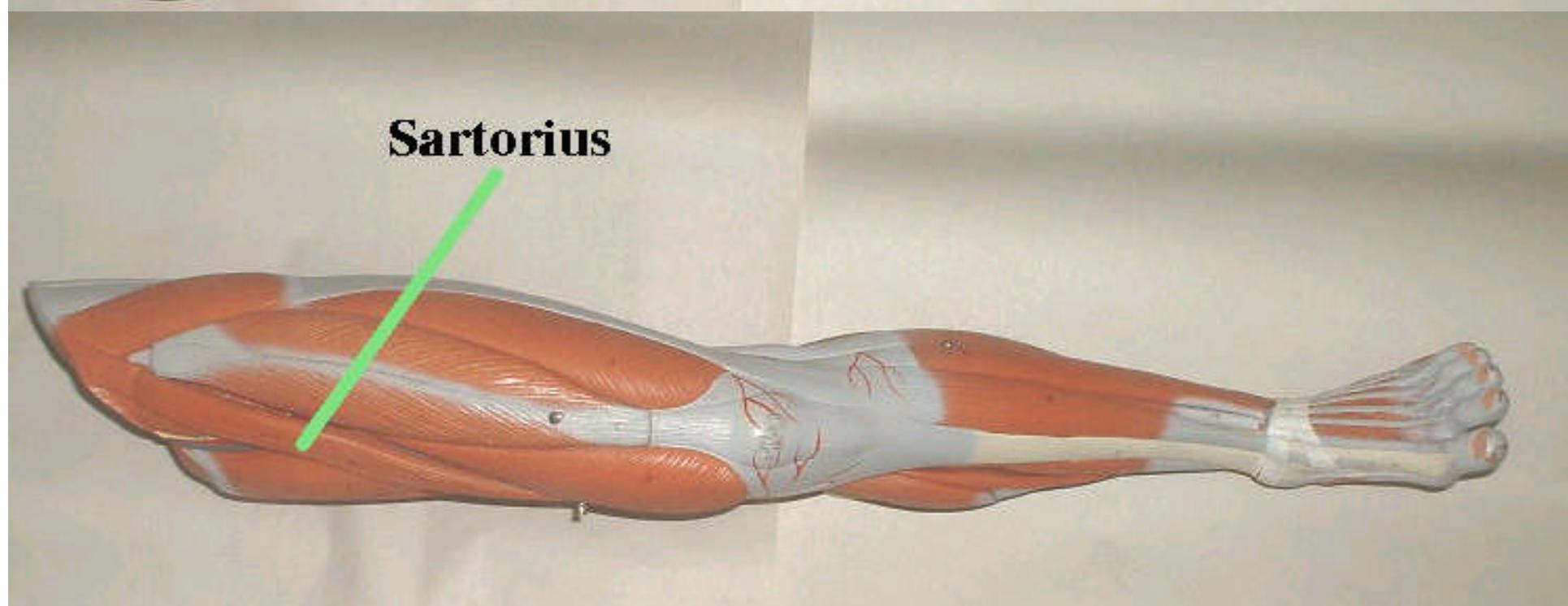
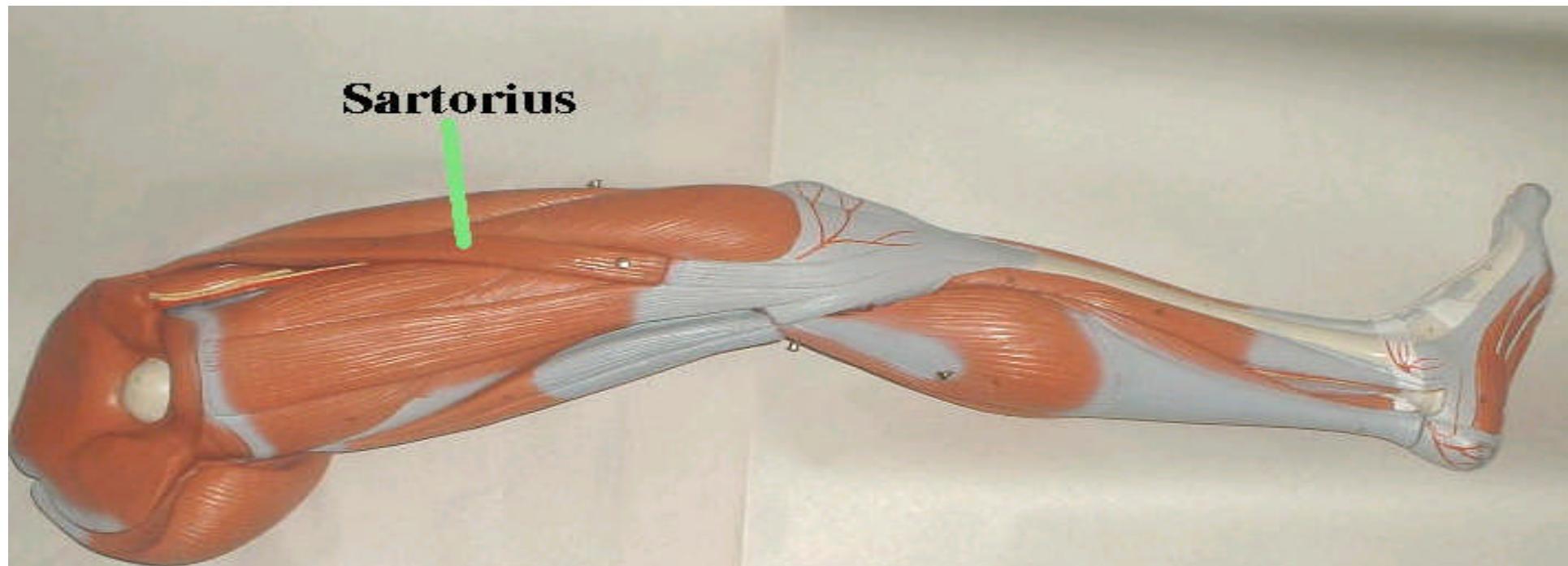






Iliacus





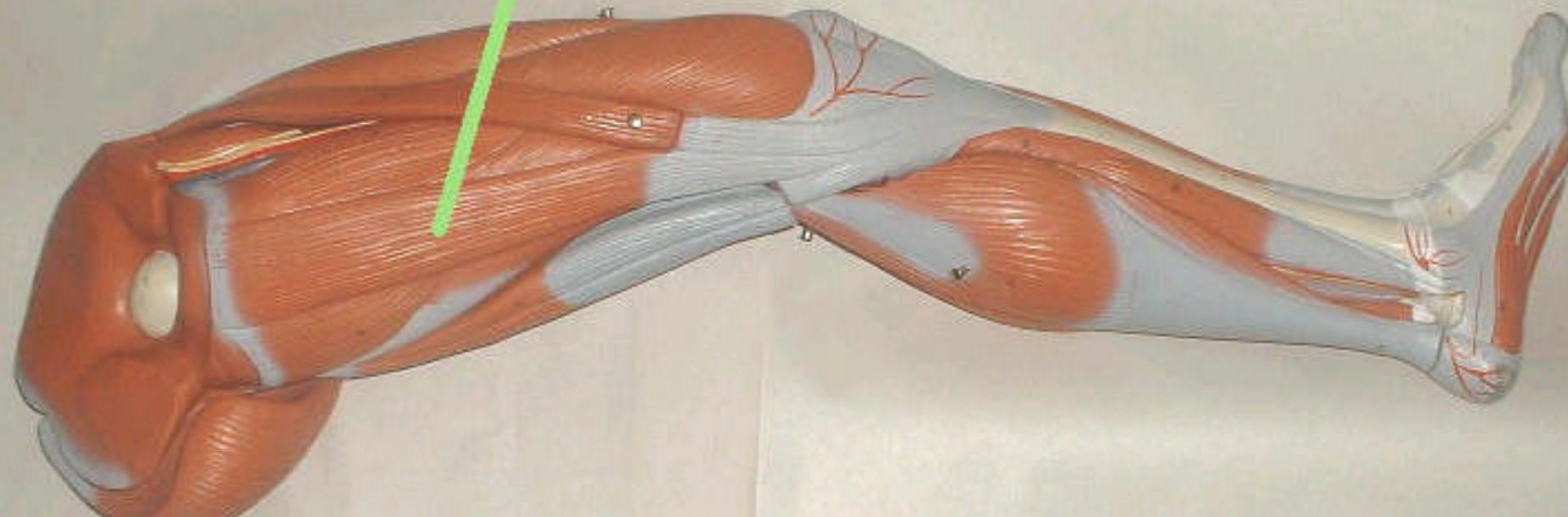
Adductor magnus



Adductor longus

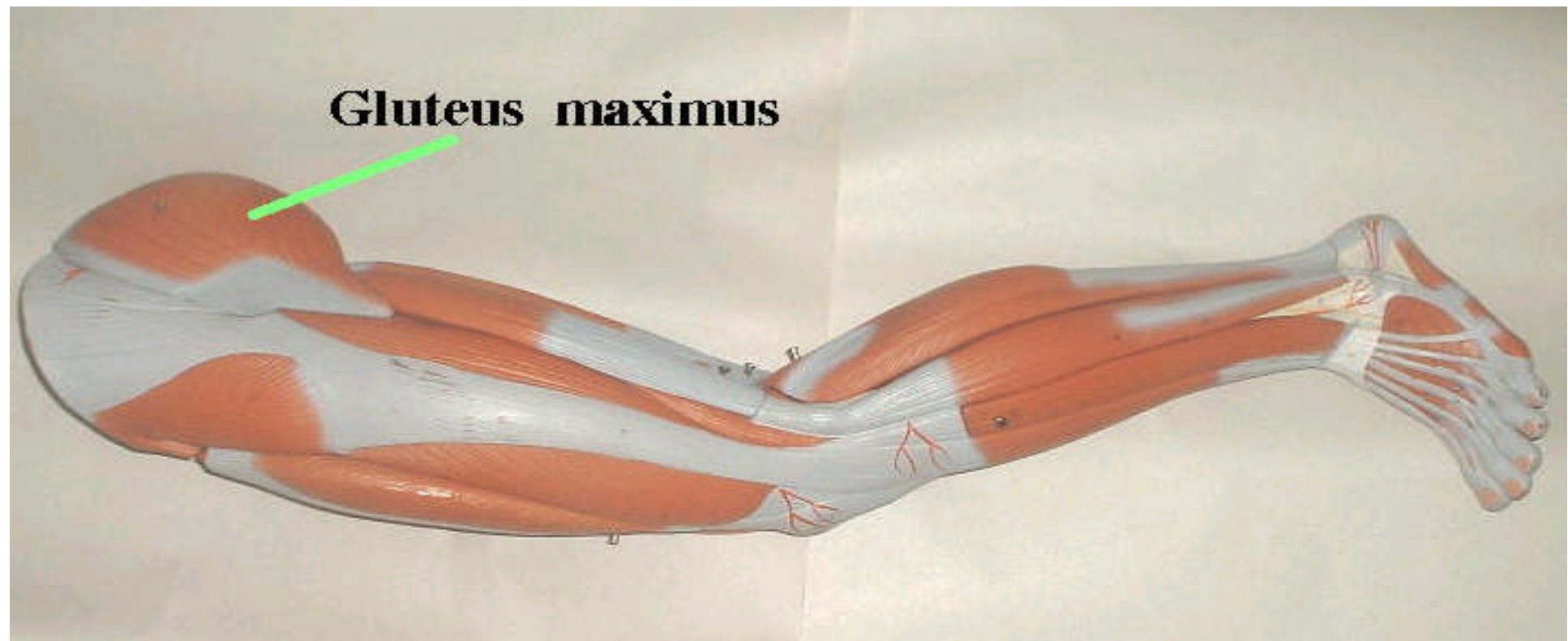


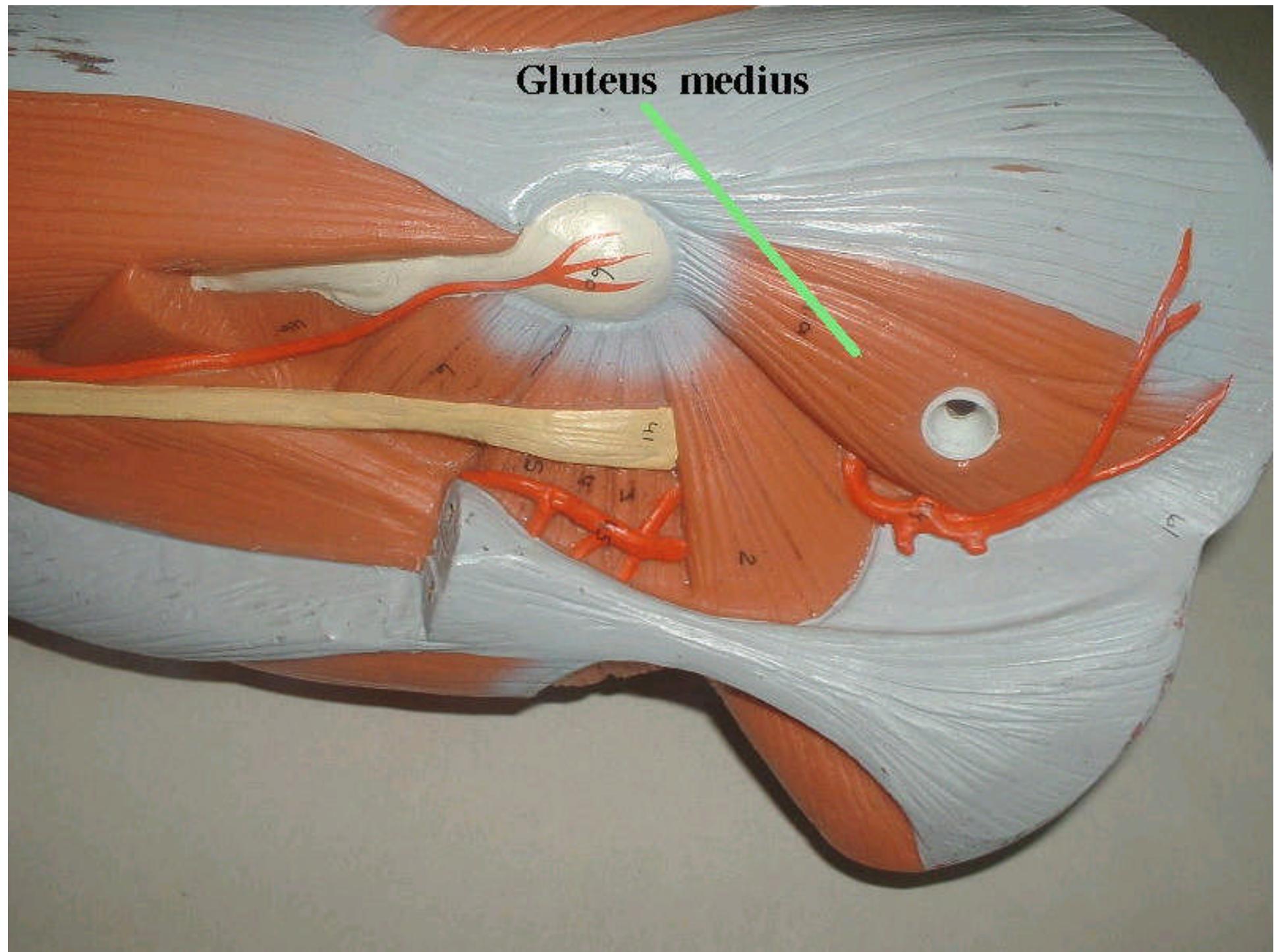
Gracilis



Tensor fasciae latae







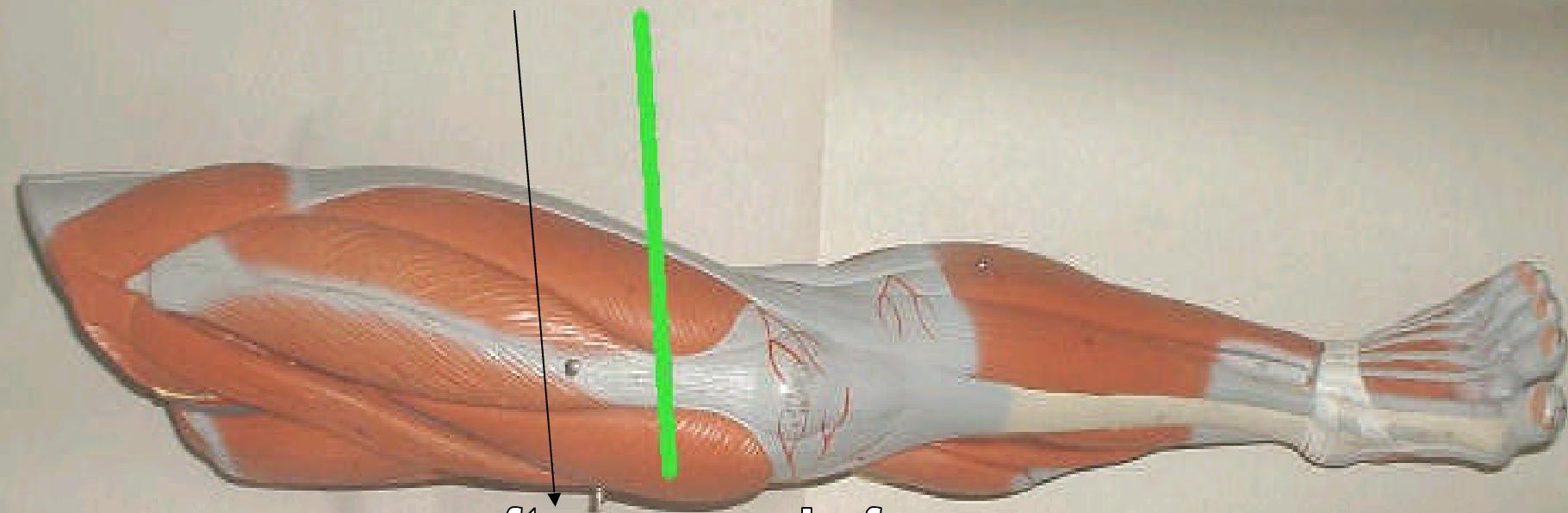
Rectus femoris



Vastus lateralis



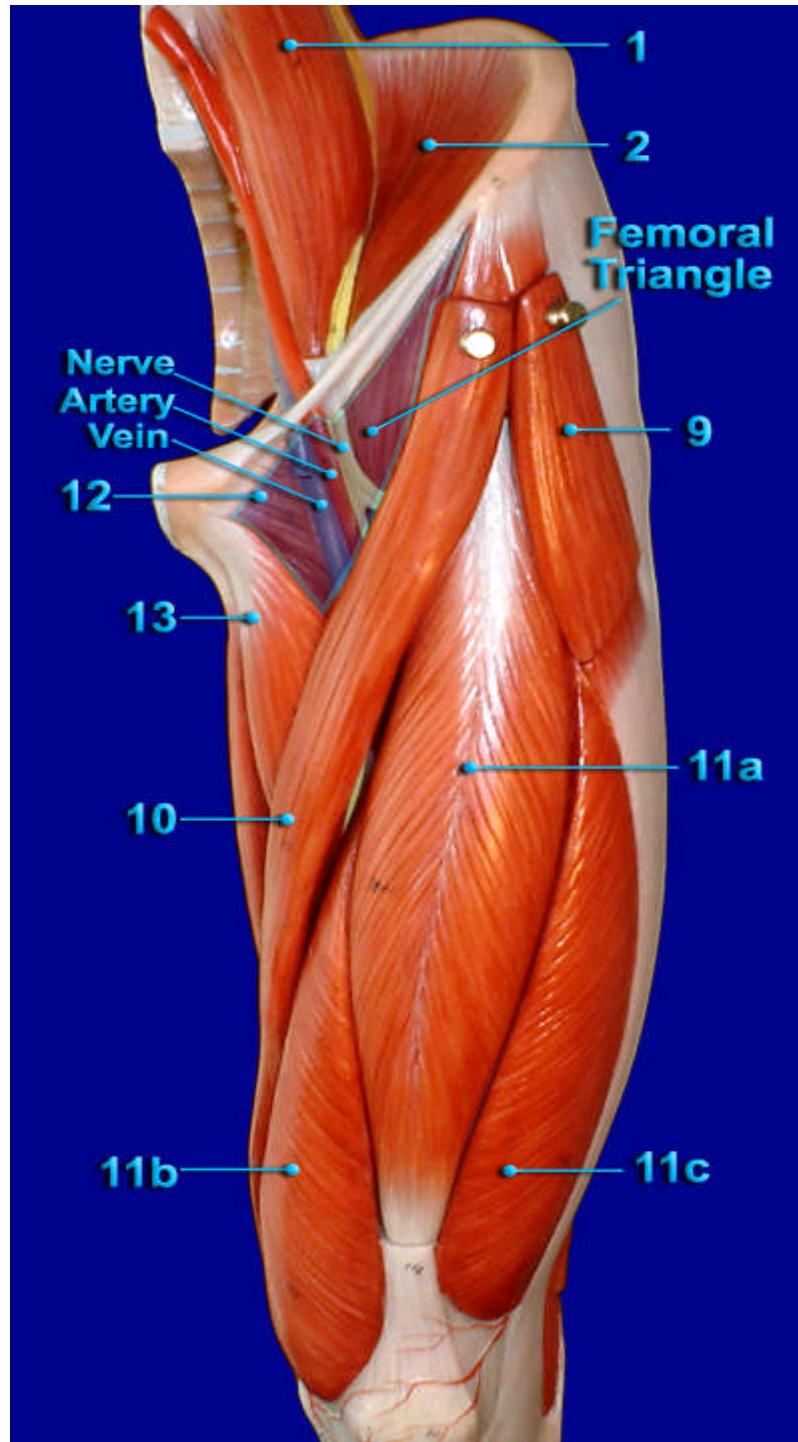
Vastus medialis



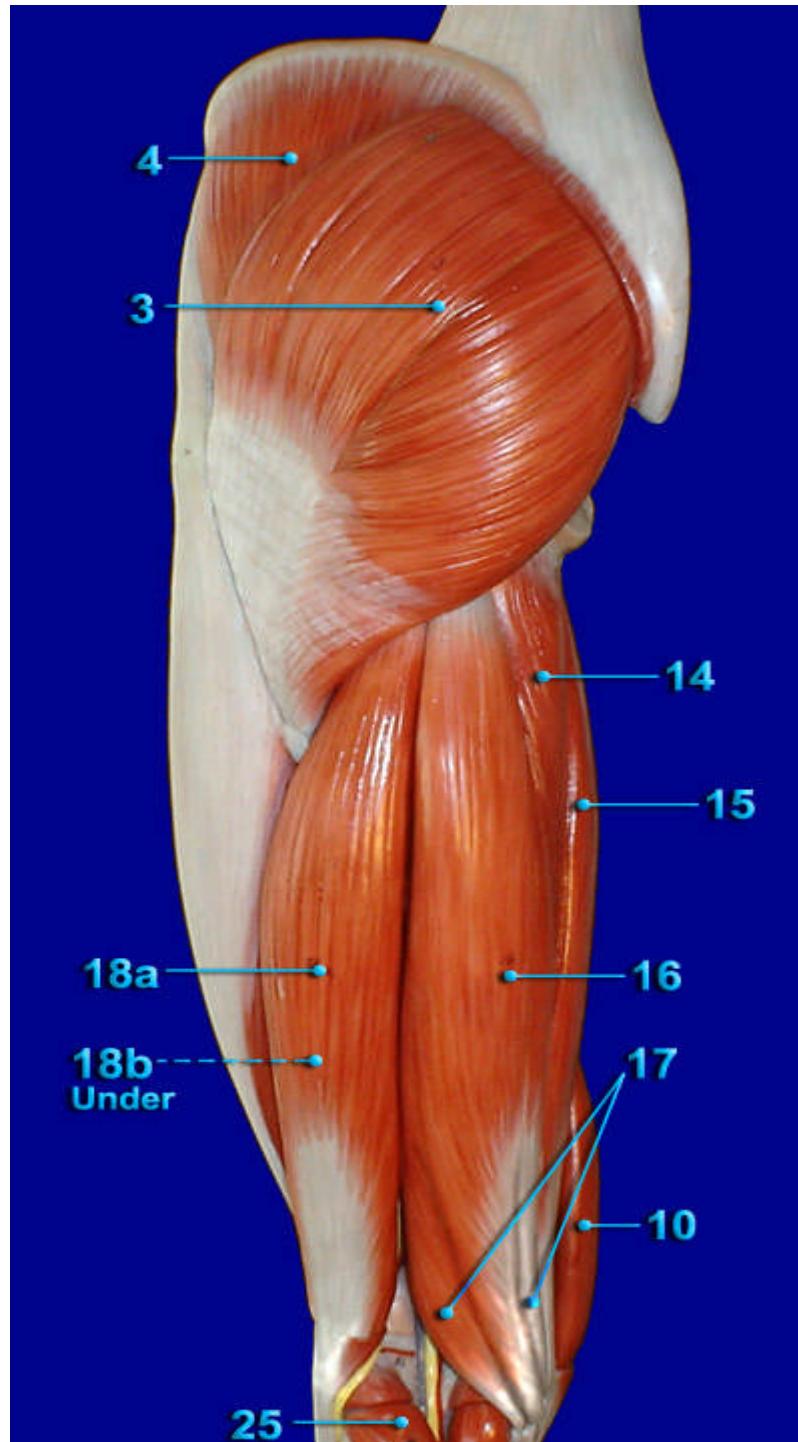
after removal of

Vastus intermedius



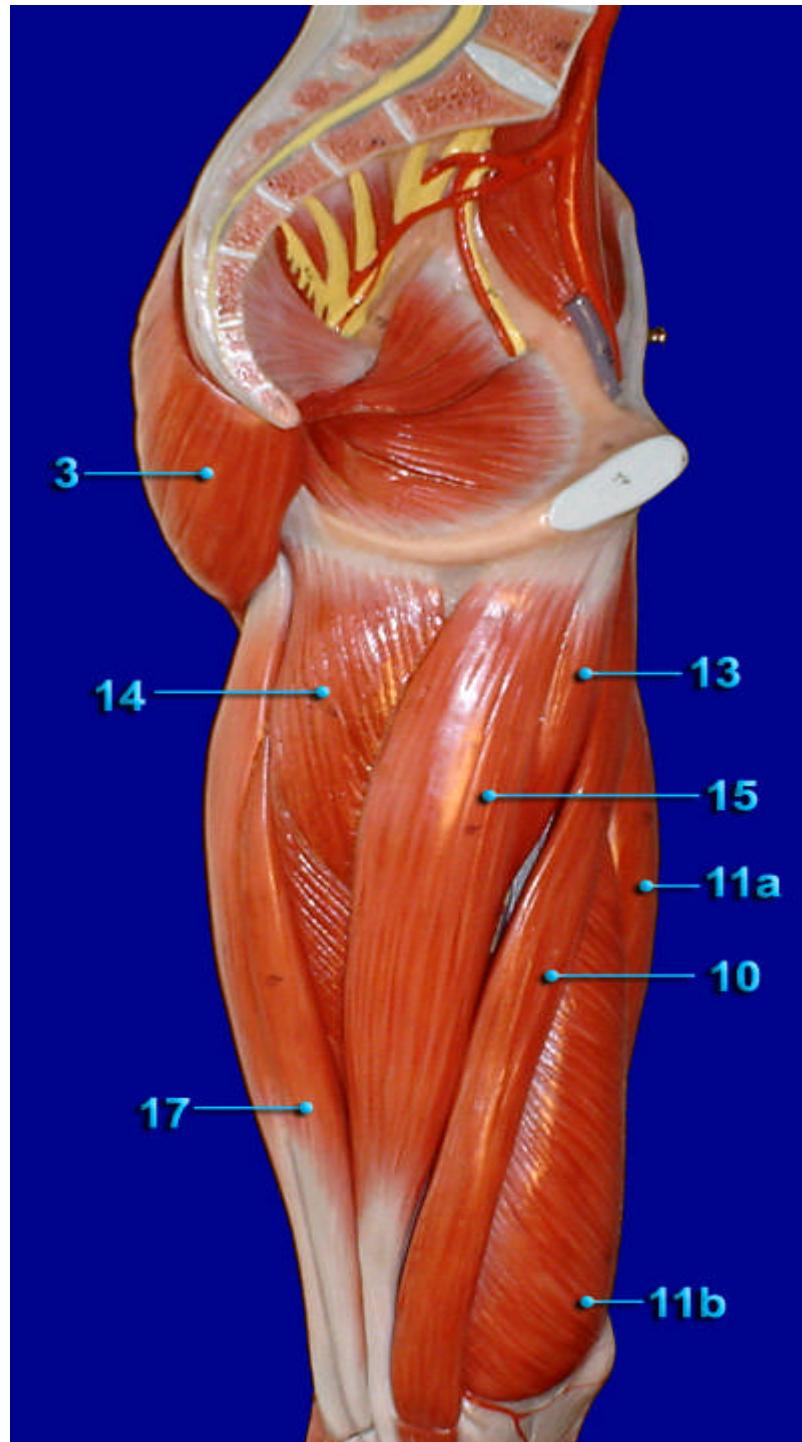


1. Psoas Major
2. Iliacus
9. Tensor Fasciae Latae
10. Sartorius
- 11a. Rectus Femoris
- 11b. Vastus Medialis
- 11c. Vastus Lateralis
12. Pectineus
13. Adductor Longus



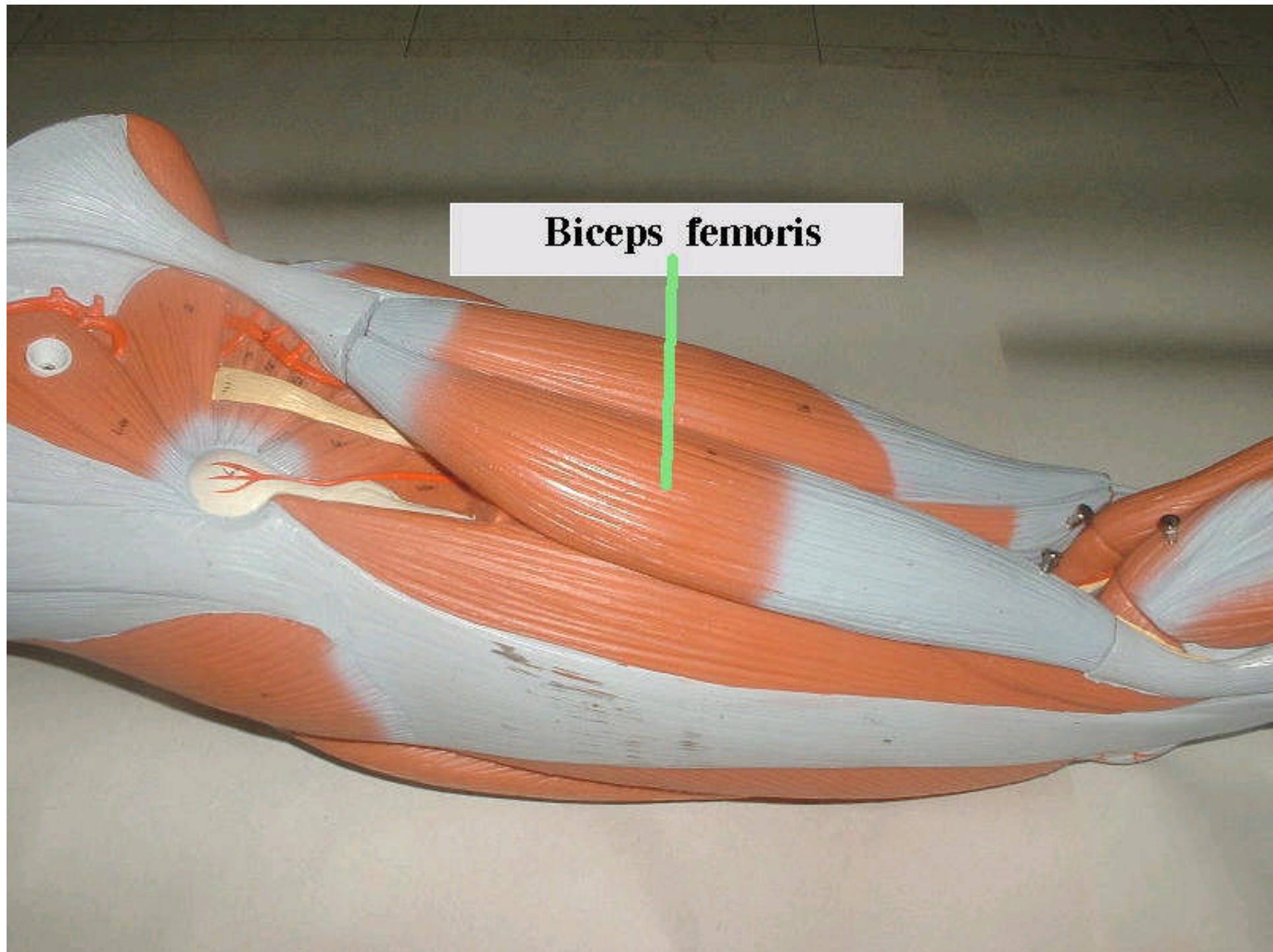
3. Gluteus
Maximus
4. Gluteus Medius
10. Satorius
14. Adductor
Magus
15. Gracilis

16. Semitendinosus
17. Semimembranosus
18a. Biceps Femoris (long head)
18b. Biceps Femoris (short
head)
25. Plantaris



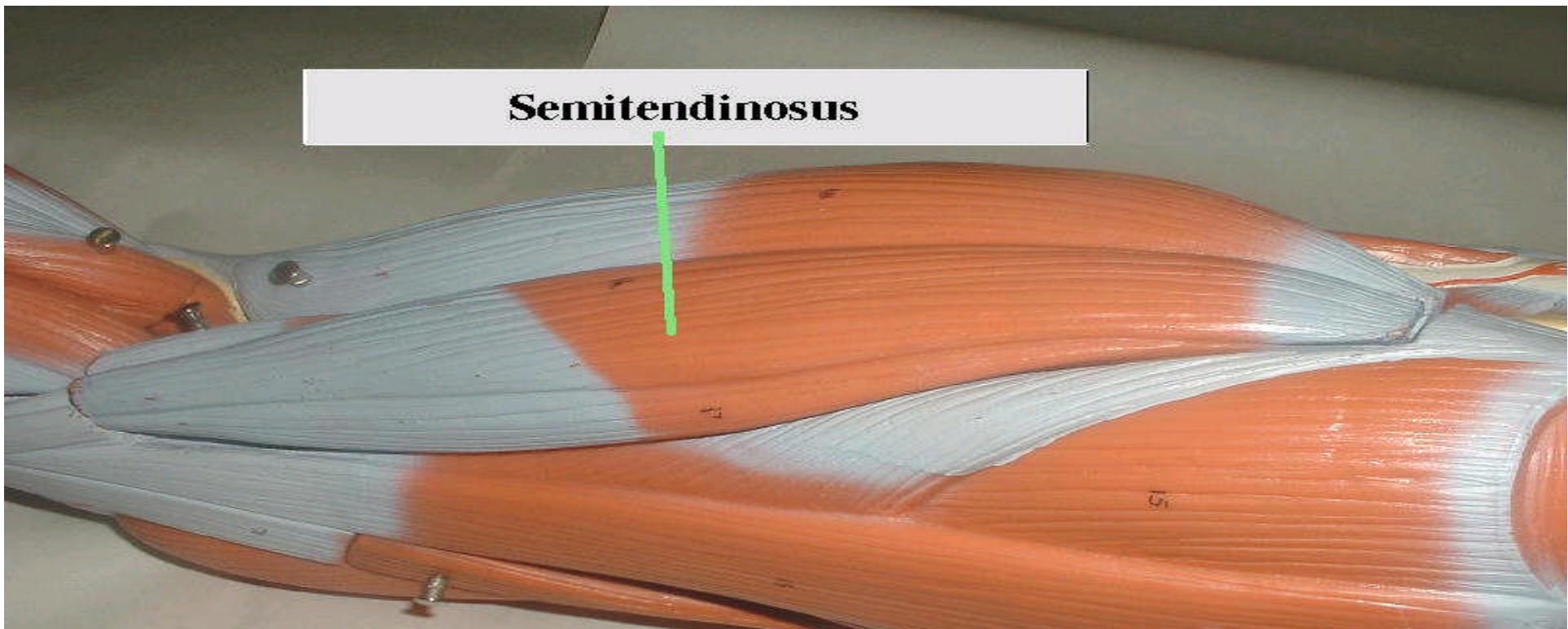
3. Gluteus Maximus
10. Sartorius
11a. Rectus Femoris
11b. Vastus Medialis

13. Adductor Longus
14. Adductor Magnus
15. Gracilis
17. Semimembranosus



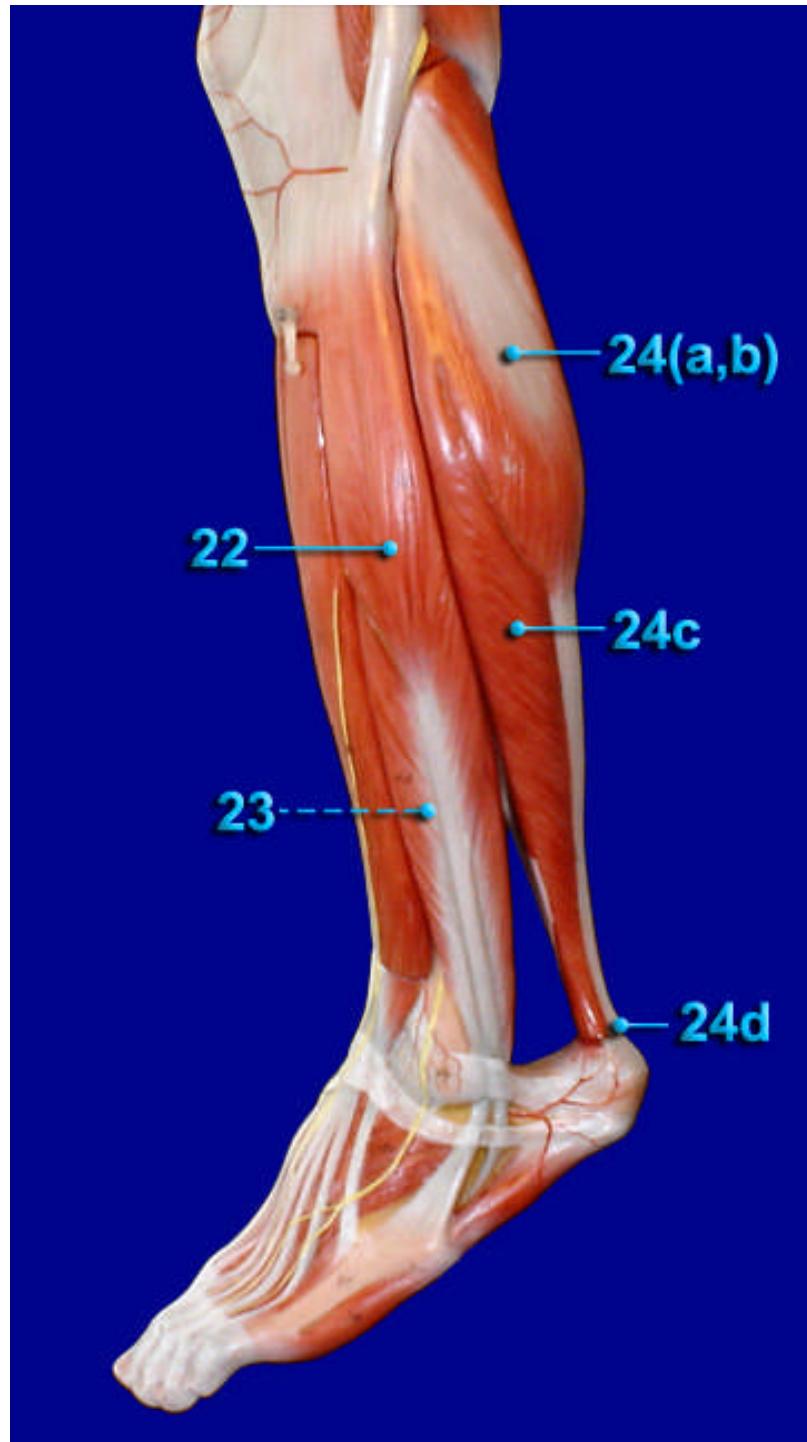
Biceps femoris

Semitendinosus

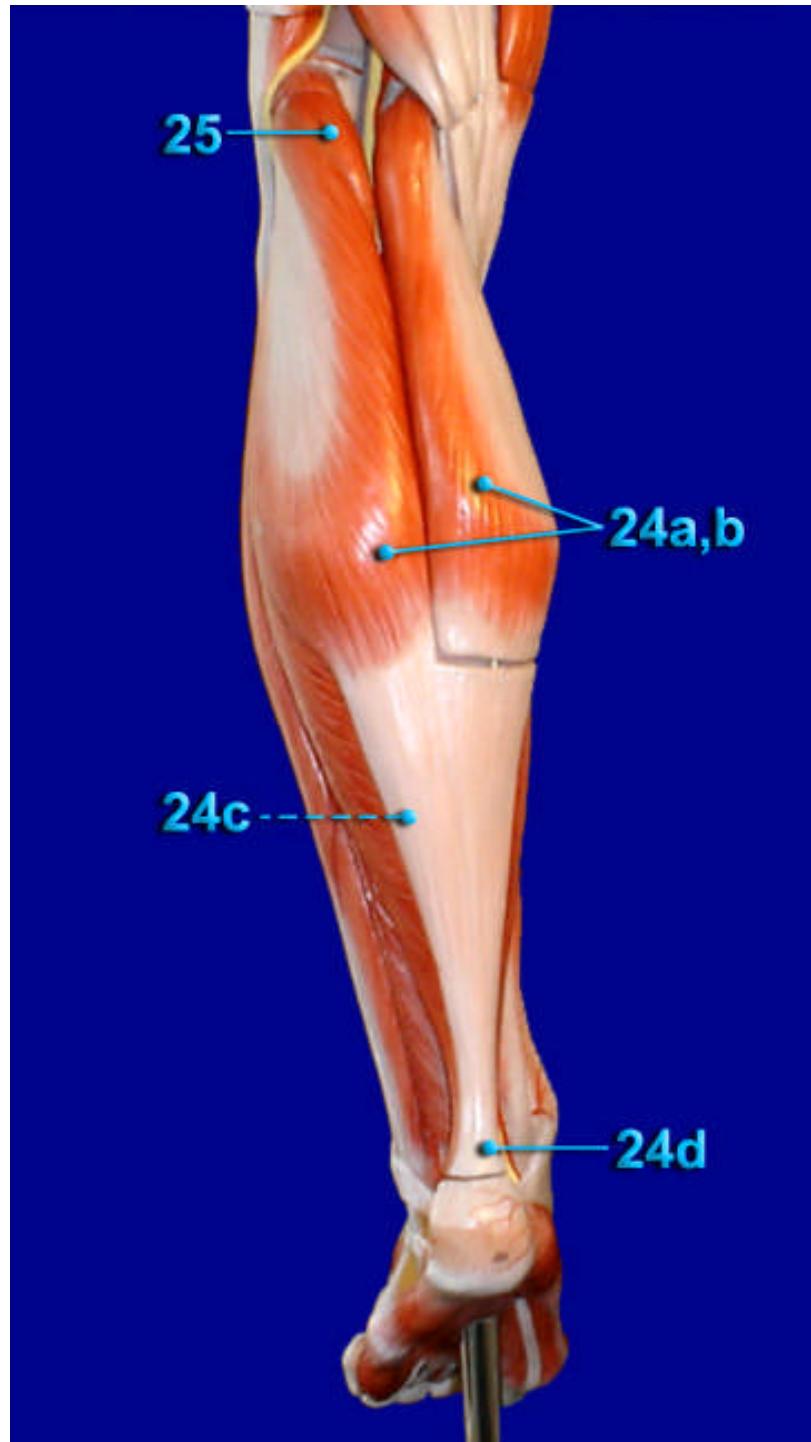


Semimembranosus





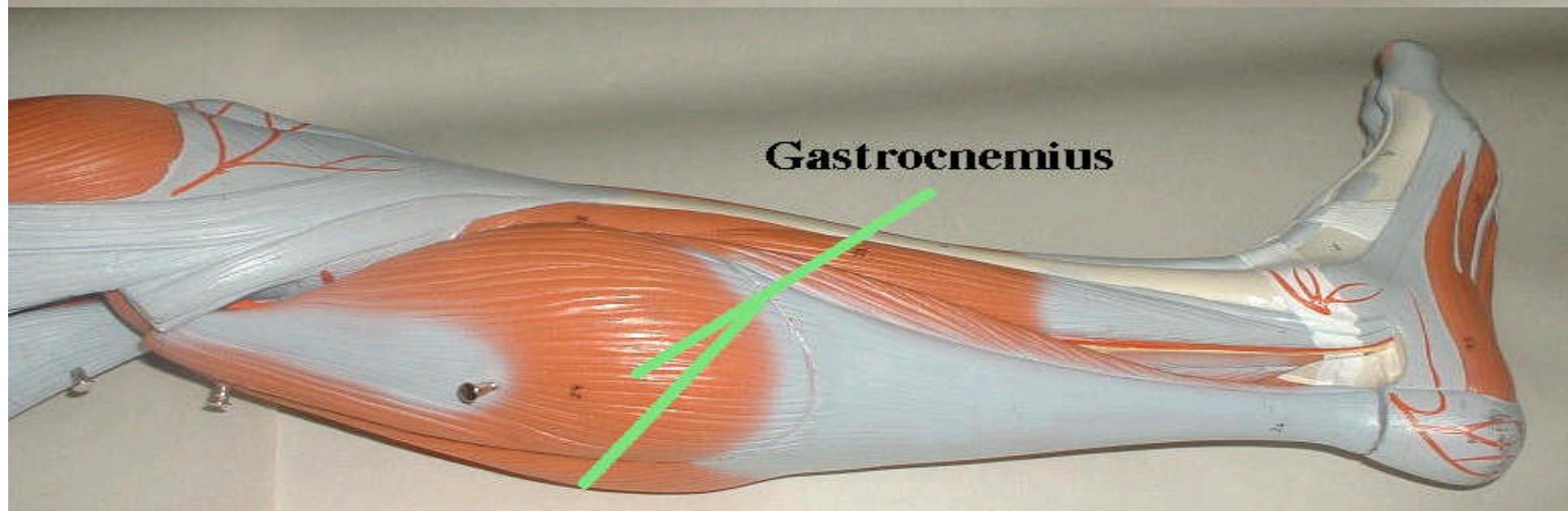
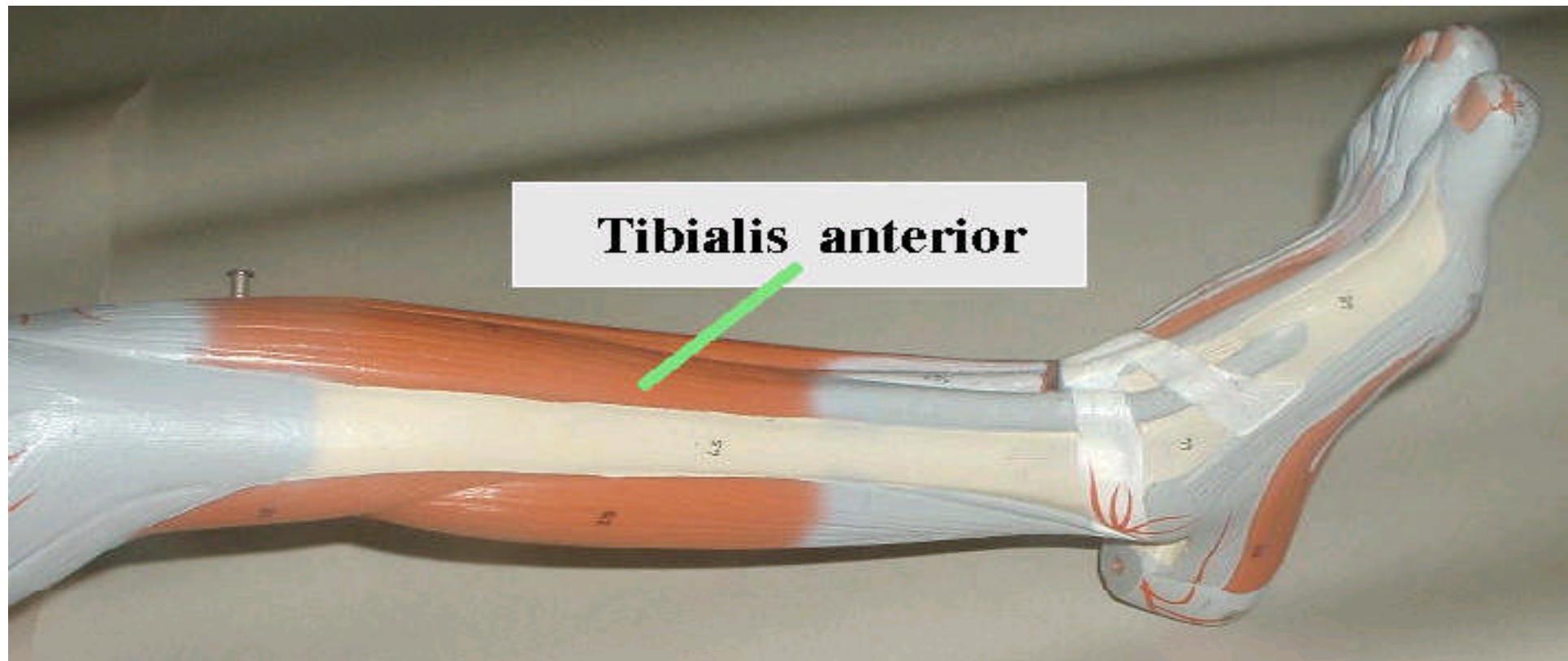
- 22. Peroneus (Fibularis) Longus
- 23. Peroneus (Fibularis) Brevis
- 24(a,b). Gastrocnemius
- 24(c). Soleus
- 24(d). Achilles Tendon

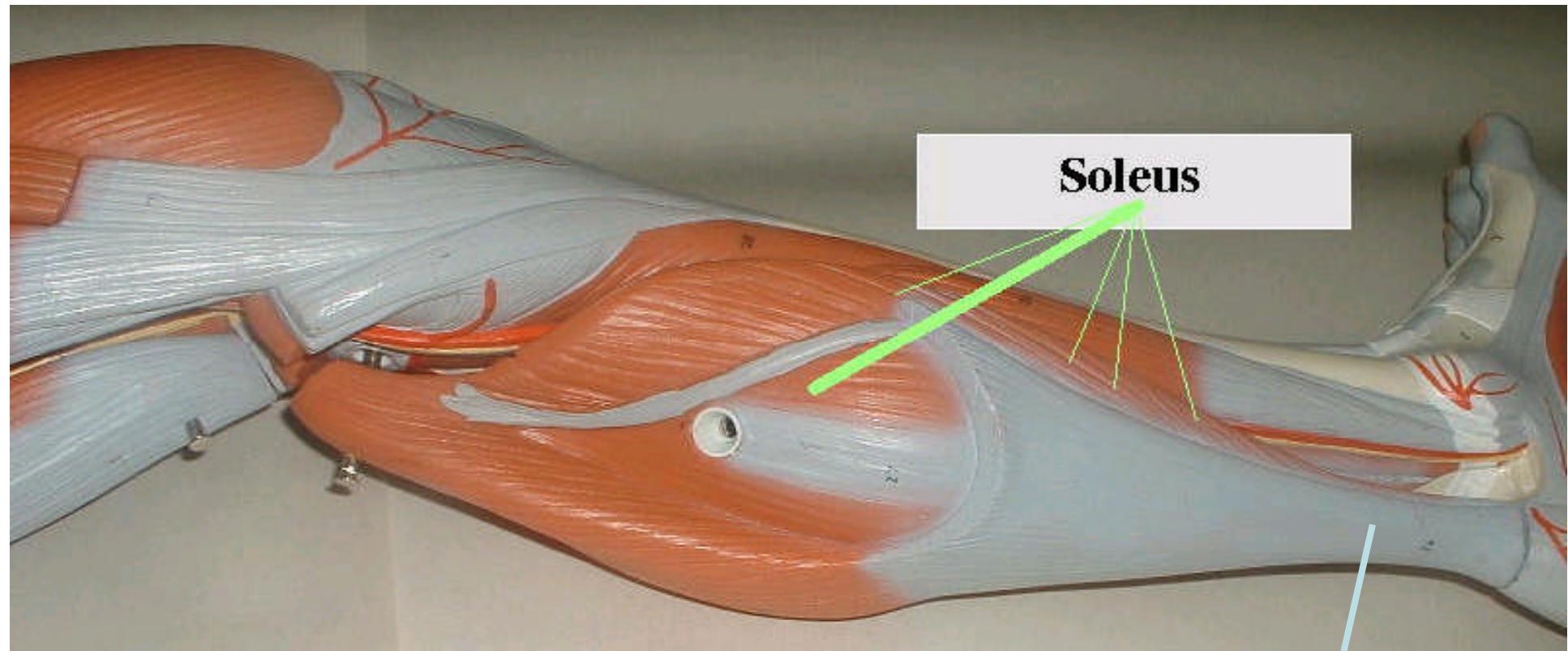


25. Plantaris

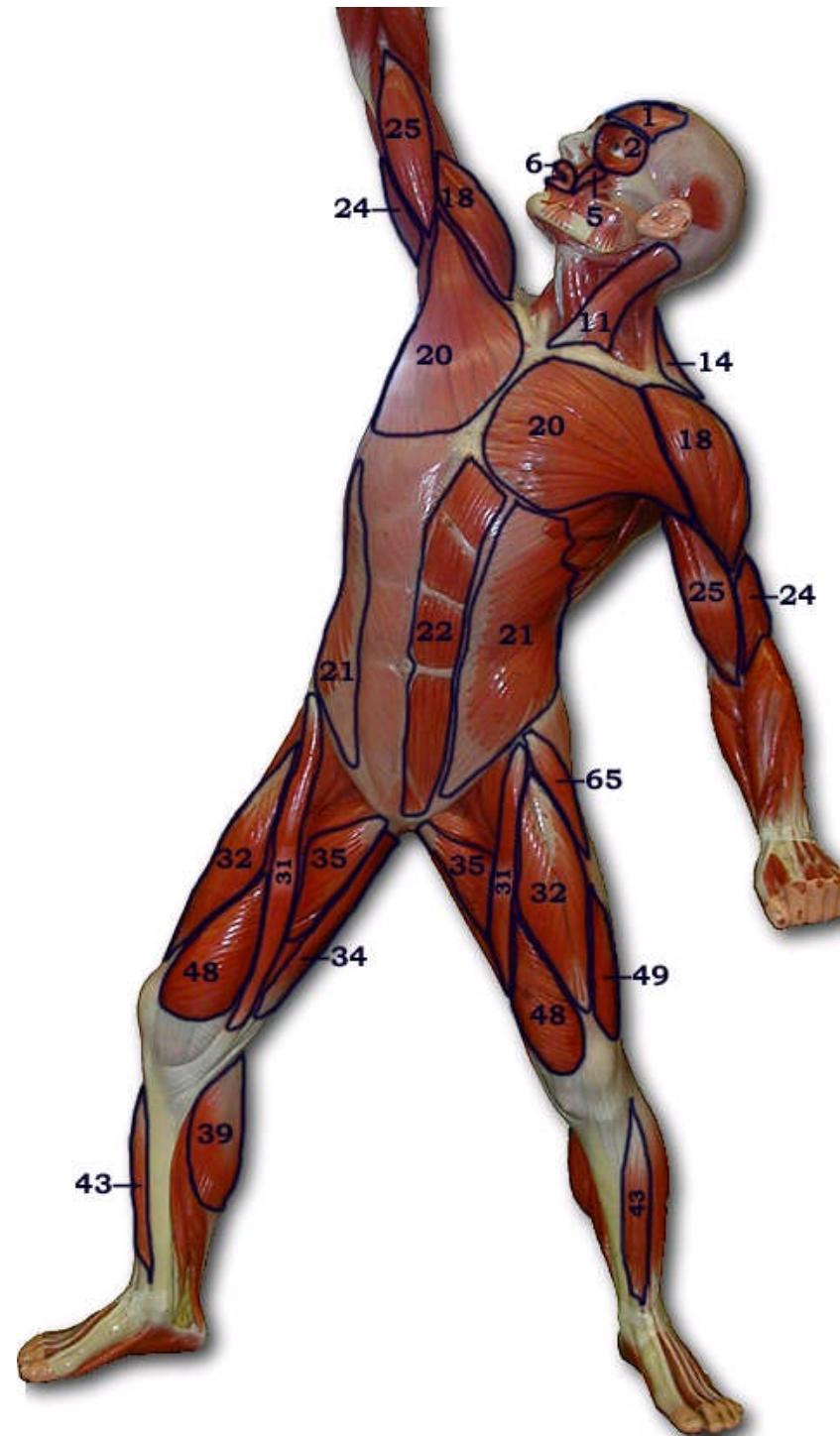
24 (a,b). Gastrocnemius
(medial and lateral heads)

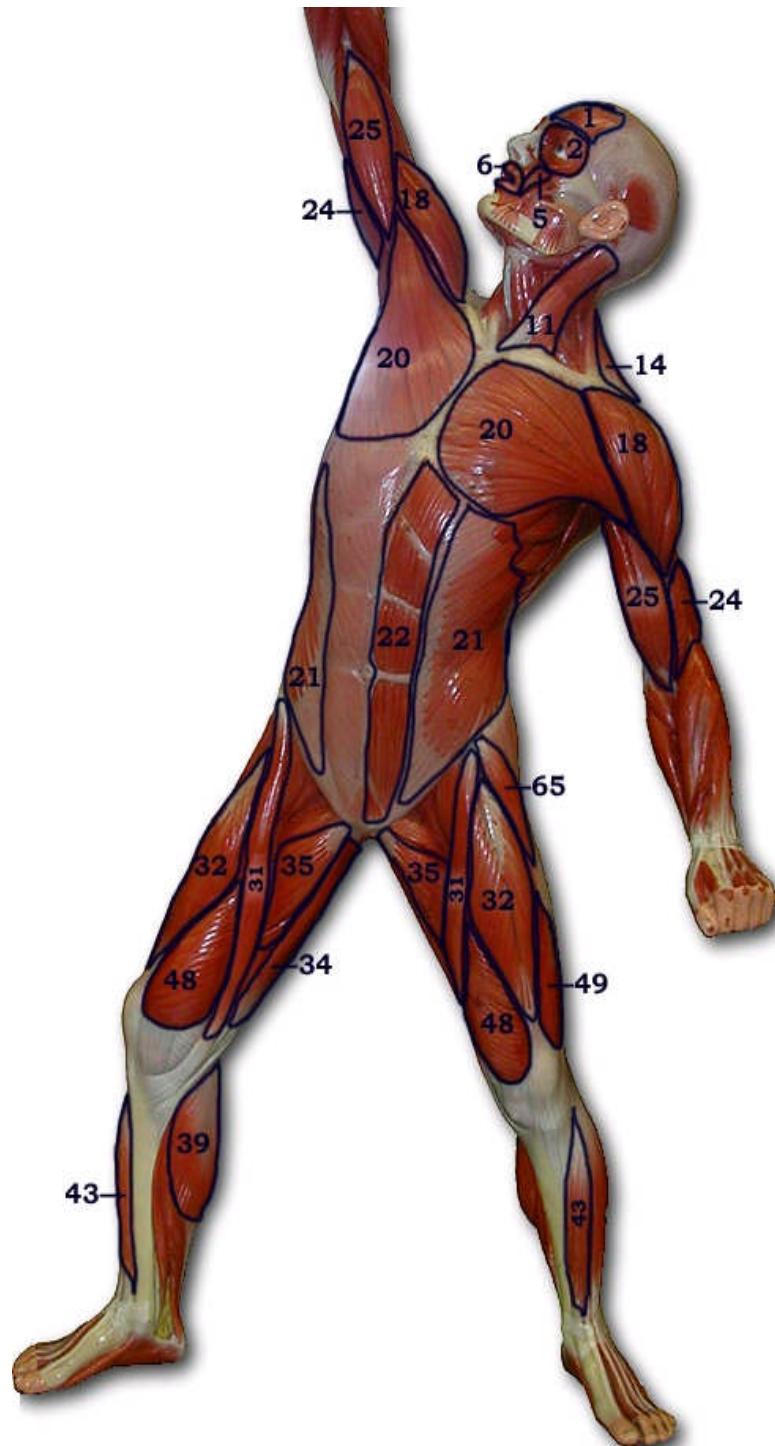
24c. Soleus Muscle
(underneath tendon)
24d. Achilles
Tendon



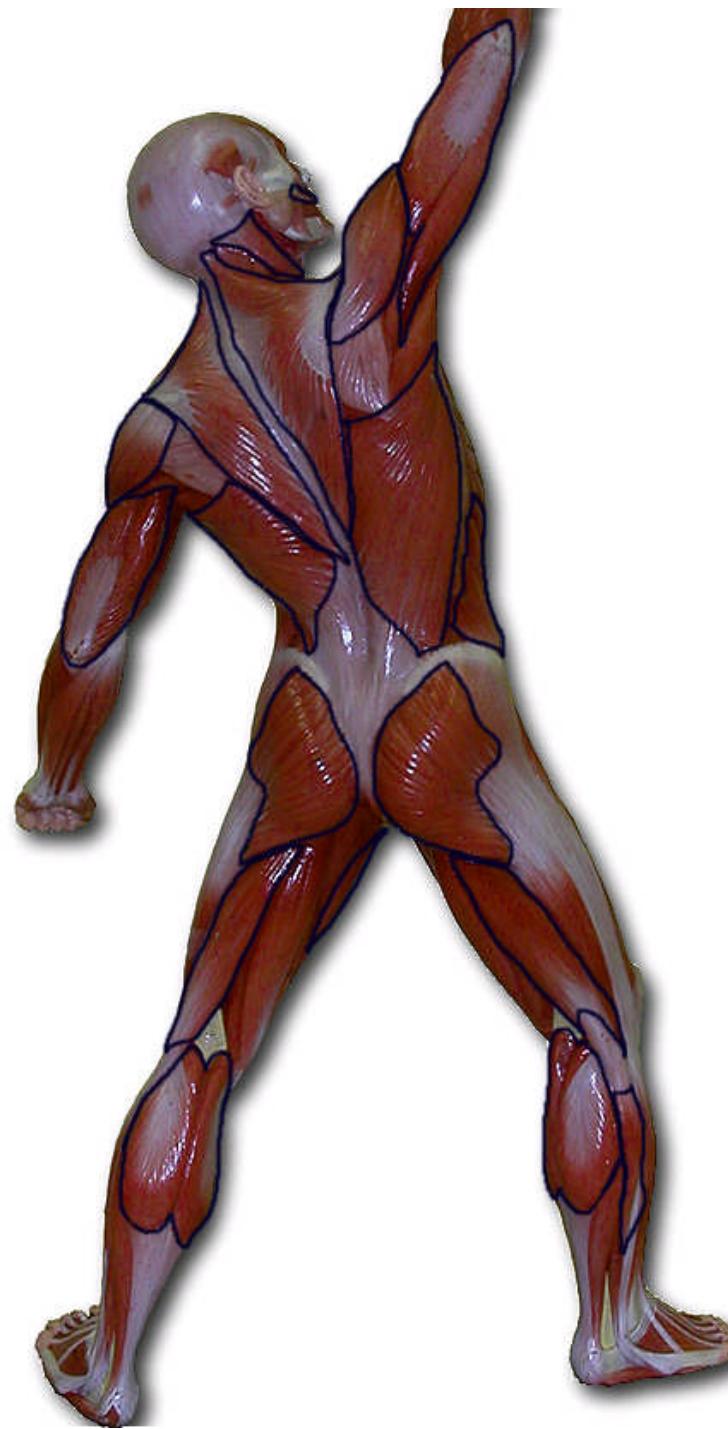


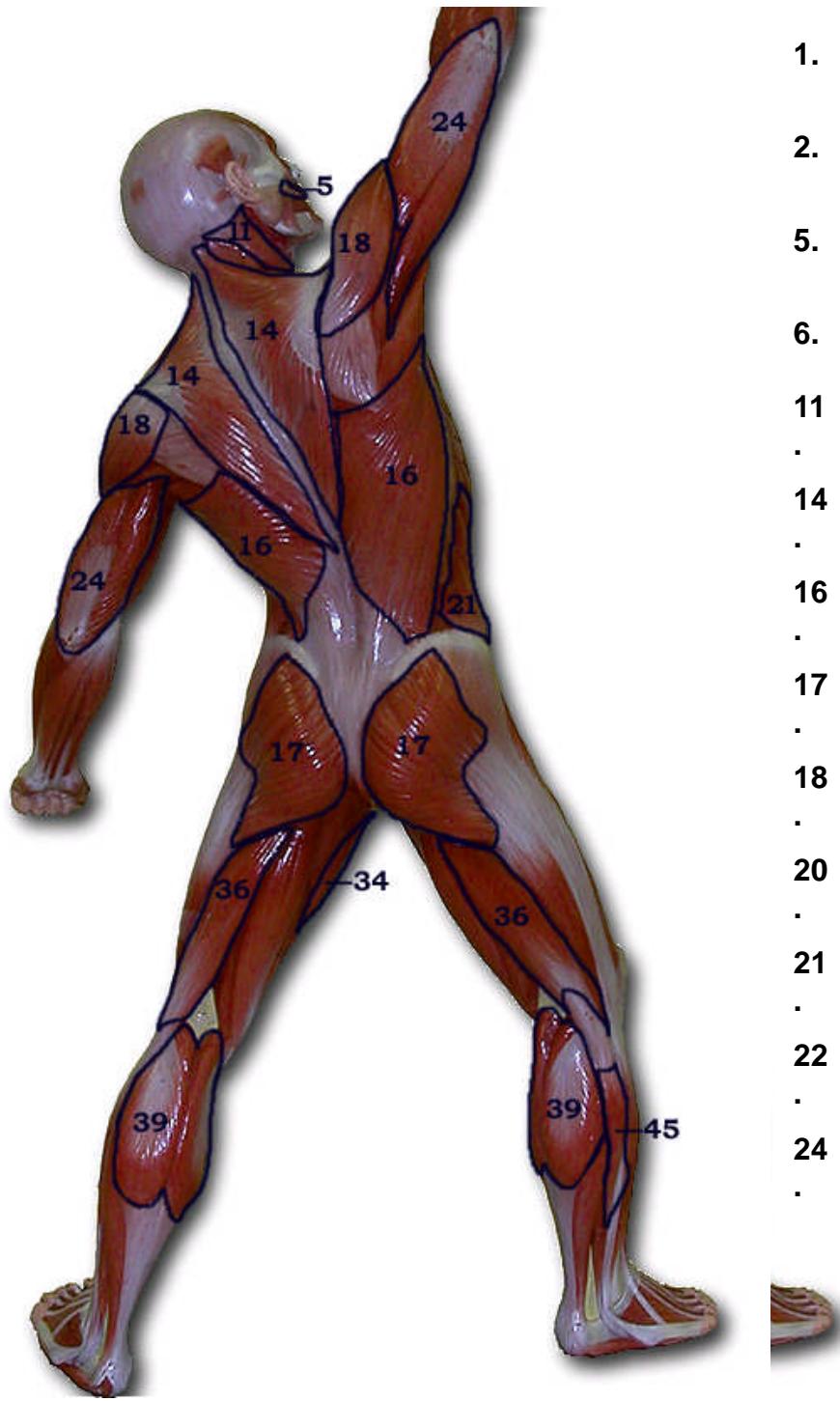
Achilles tendon =calcaneal tendon



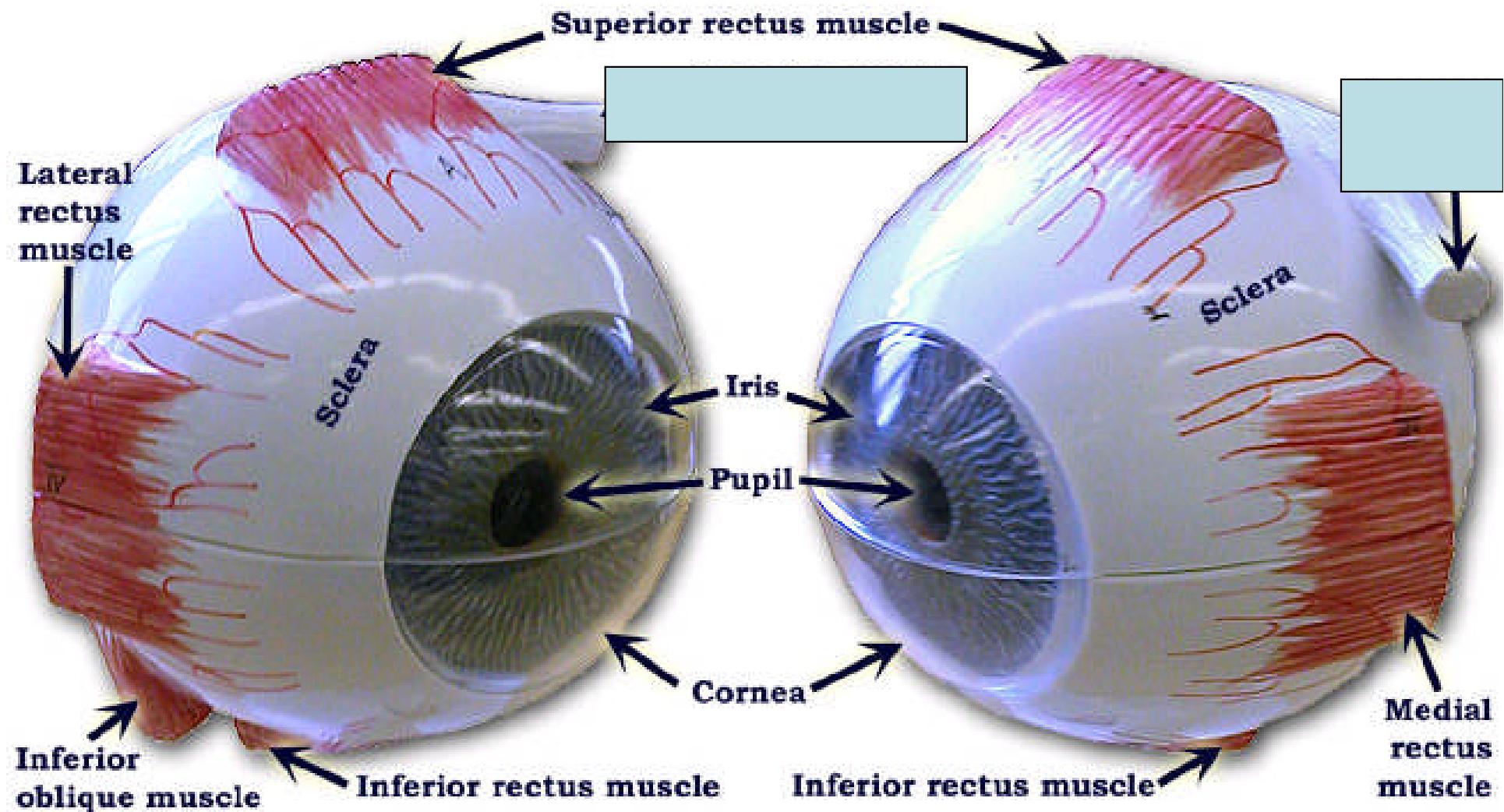


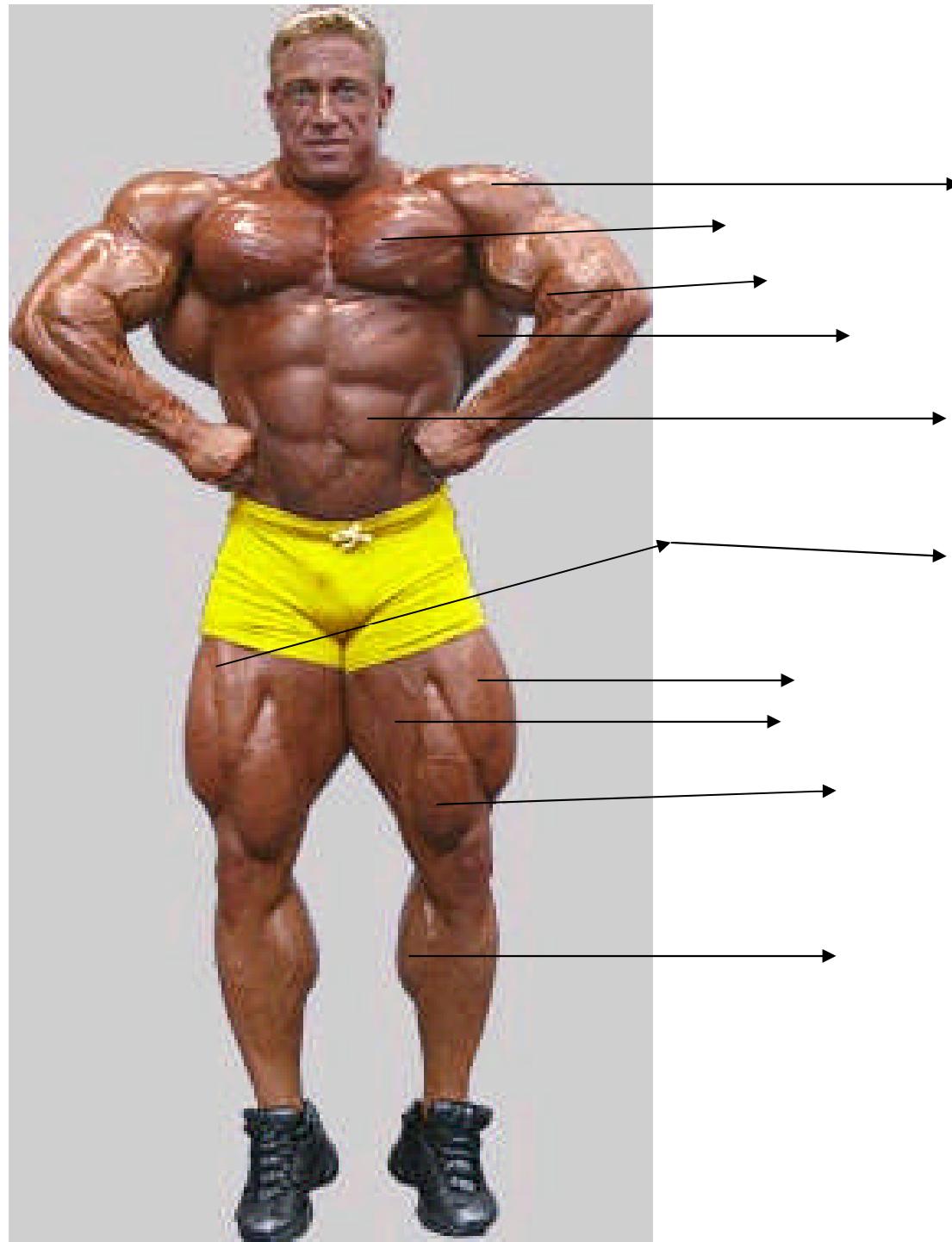
- | | |
|------------------------|--------------------------------|
| 1. Frontalis | 25 Biceps Brachii |
| 2. Orbicularis Oculi | 31 Sartorius |
| 5. Zygomaticus | 32 Rectus Femoris |
| 6. Orbicularis Oris | 34 Gracilis |
| 11 Sternocleidomastoid | 35 Adductor Longus |
| 14 Trapezius | 36 Biceps Femoris |
| 16 Latissimus Dorsi | 39 Gastrocnemius |
| 17 Gluteus Maximus | 43 Tibialis Anterior |
| 18 Deltoid | 45 Fibularis (Peroneus) Longus |
| 20 Pectoralis Major | 48 Vastus Medialis |
| 21 External Oblique | 49 Vastus Lateralis |
| 22 Rectus Abdominis | 65 Tensor Fasciae Latae |
| 24 Triceps Brachii | |

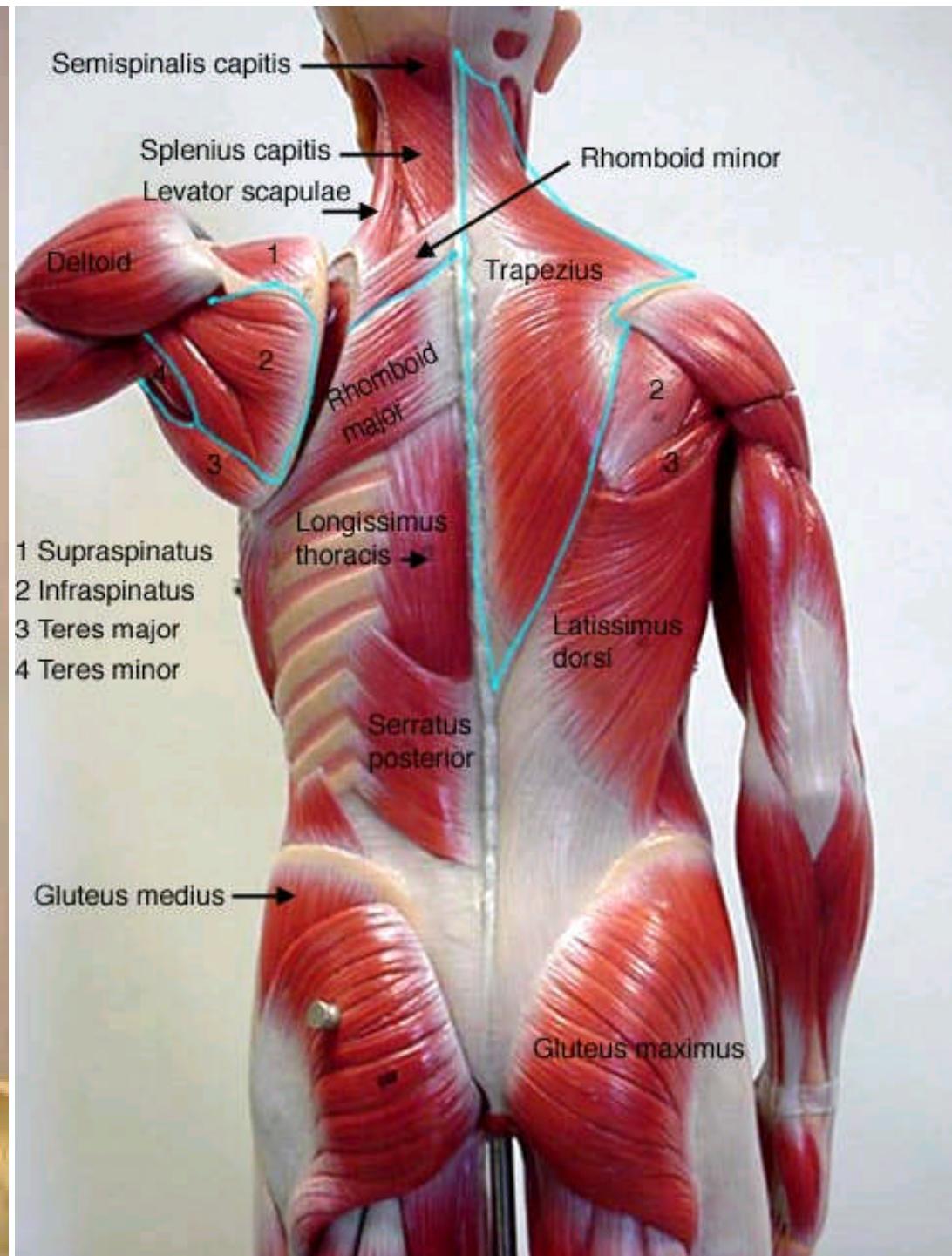
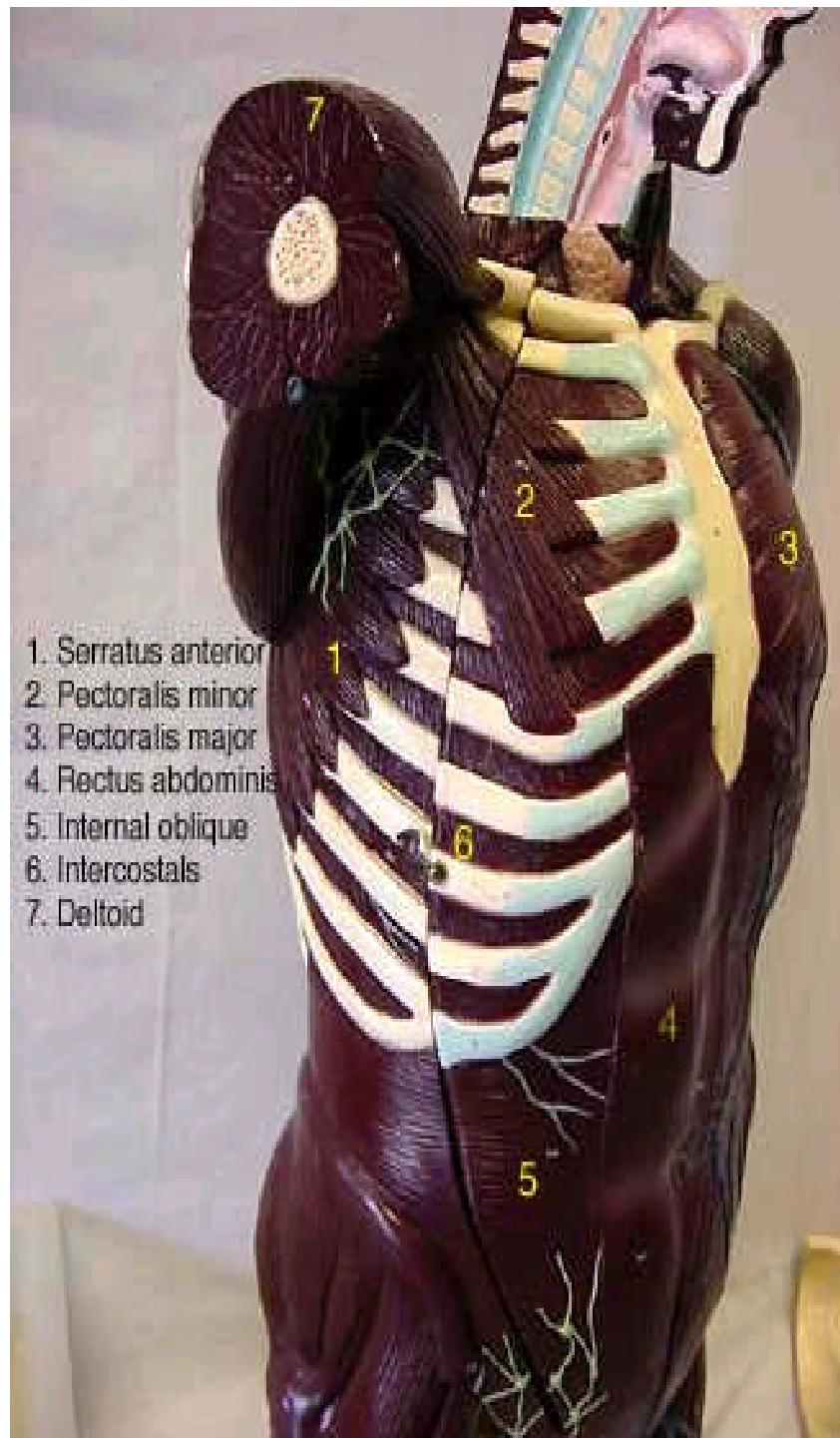


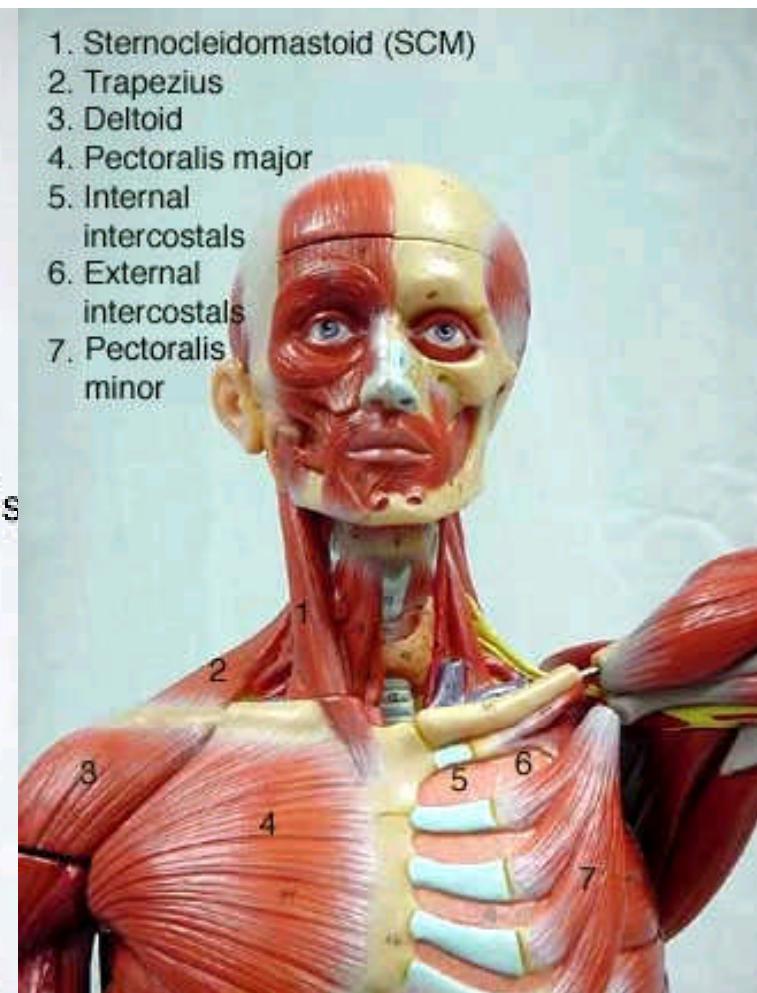
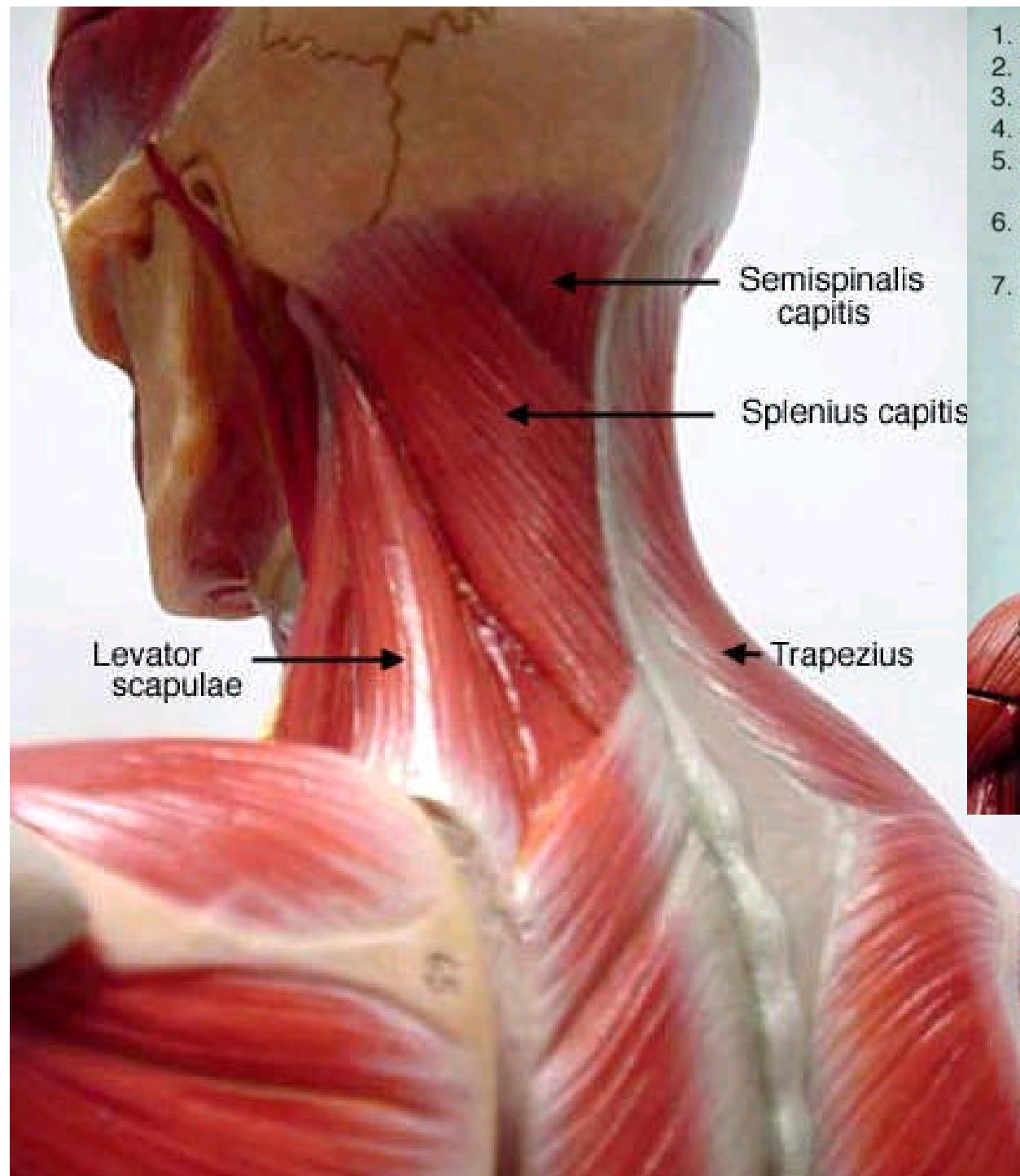


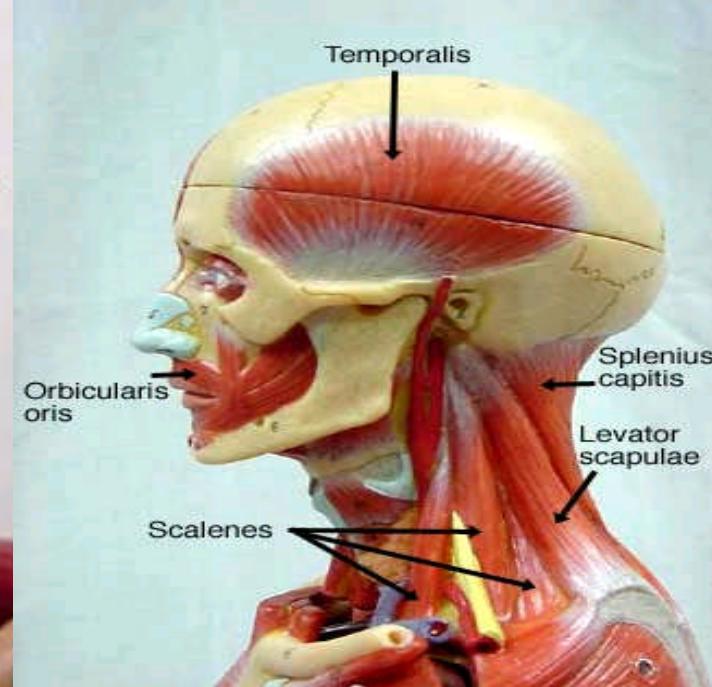
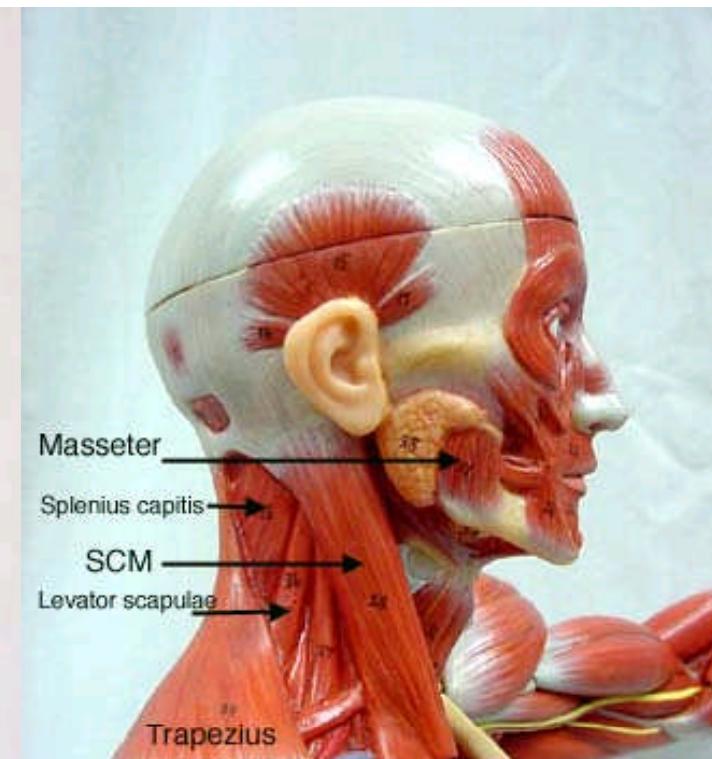
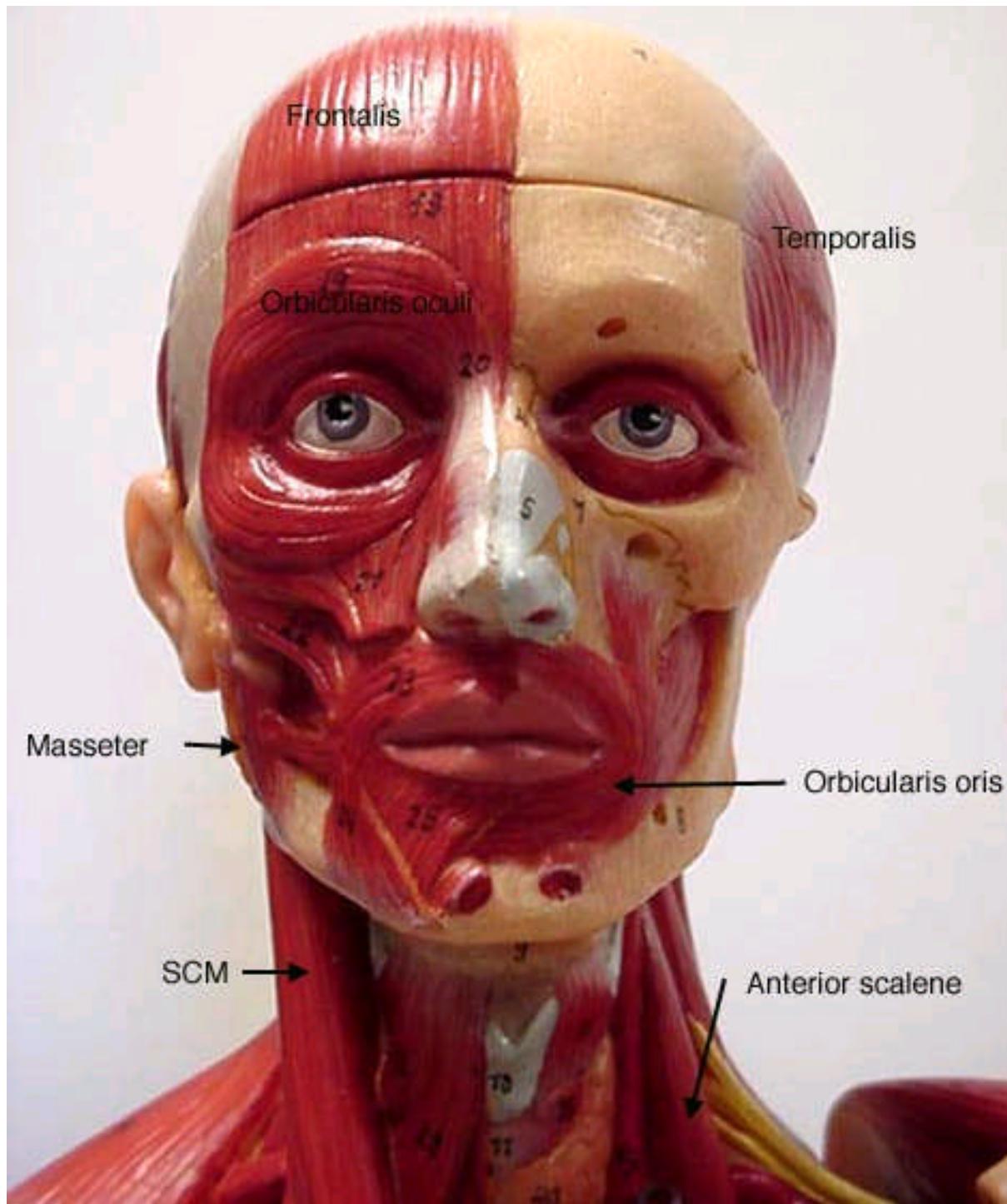
- | | | |
|------------------------|----|-----------------------------|
| 1. Frontalis | 25 | Biceps Brachii |
| 2. Orbicularis Oculi | 31 | Sartorius |
| 5. Zygomaticus | 32 | Rectus Femoris |
| 6. Orbicularis Oris | 34 | Gracilis |
| 11 Sternocleidomastoid | 35 | Adductor Longus |
| 14 Trapezius | 36 | Biceps Femoris |
| 16 Latissimus Dorsi | 39 | Gastrocnemius |
| 17 Gluteus Maximus | 43 | Tibialis Anterior |
| 18 Deltoid | 45 | Fibularis (Peroneus) Longus |
| 20 Pectoralis Major | 48 | Vastus Medialis |
| 21 External Oblique | 49 | Vastus Lateralis |
| 22 Rectus Abdominis | 65 | Tensor Fasciae Latae |
| 24 Triceps Brachii | . | . |

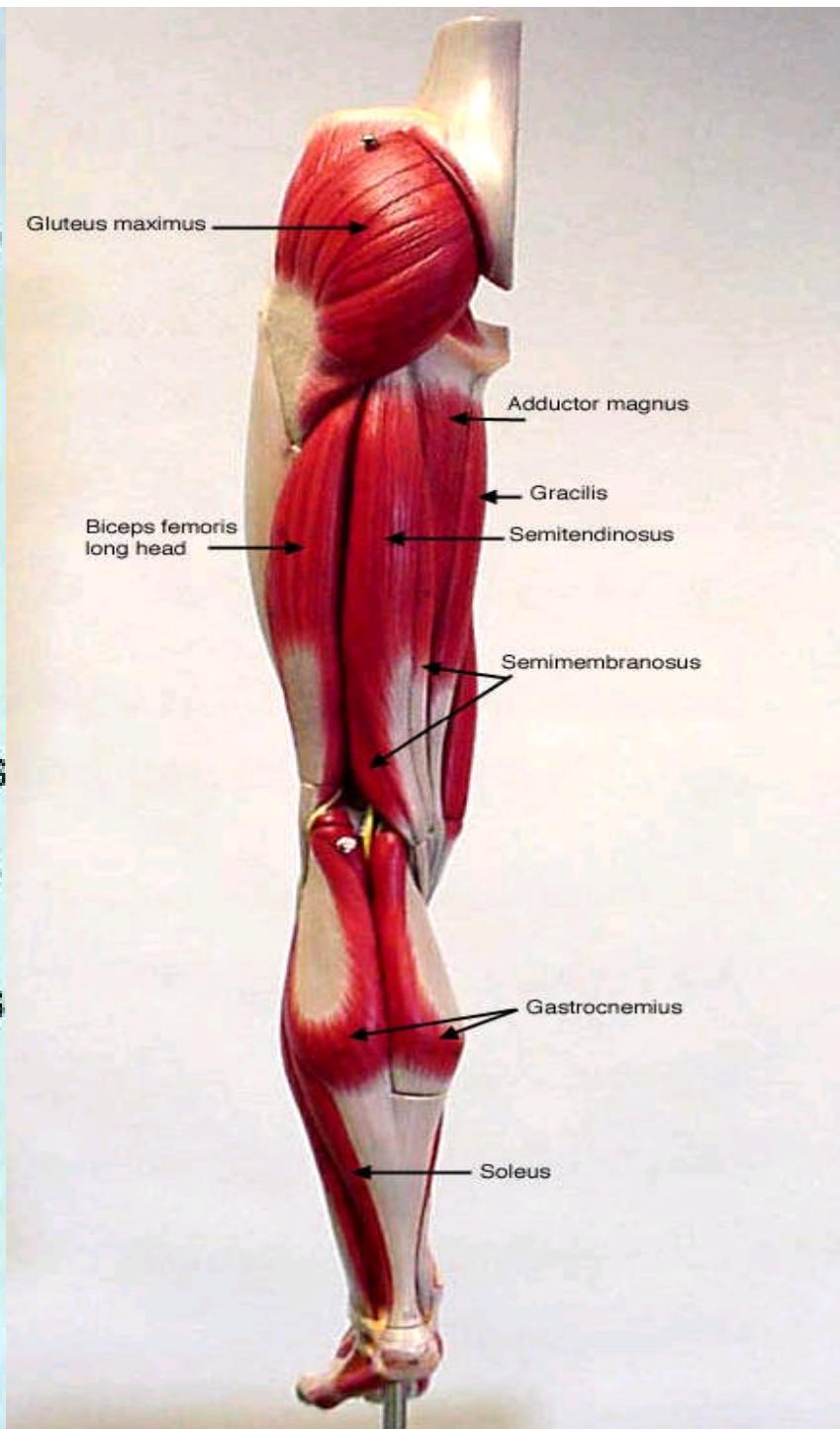
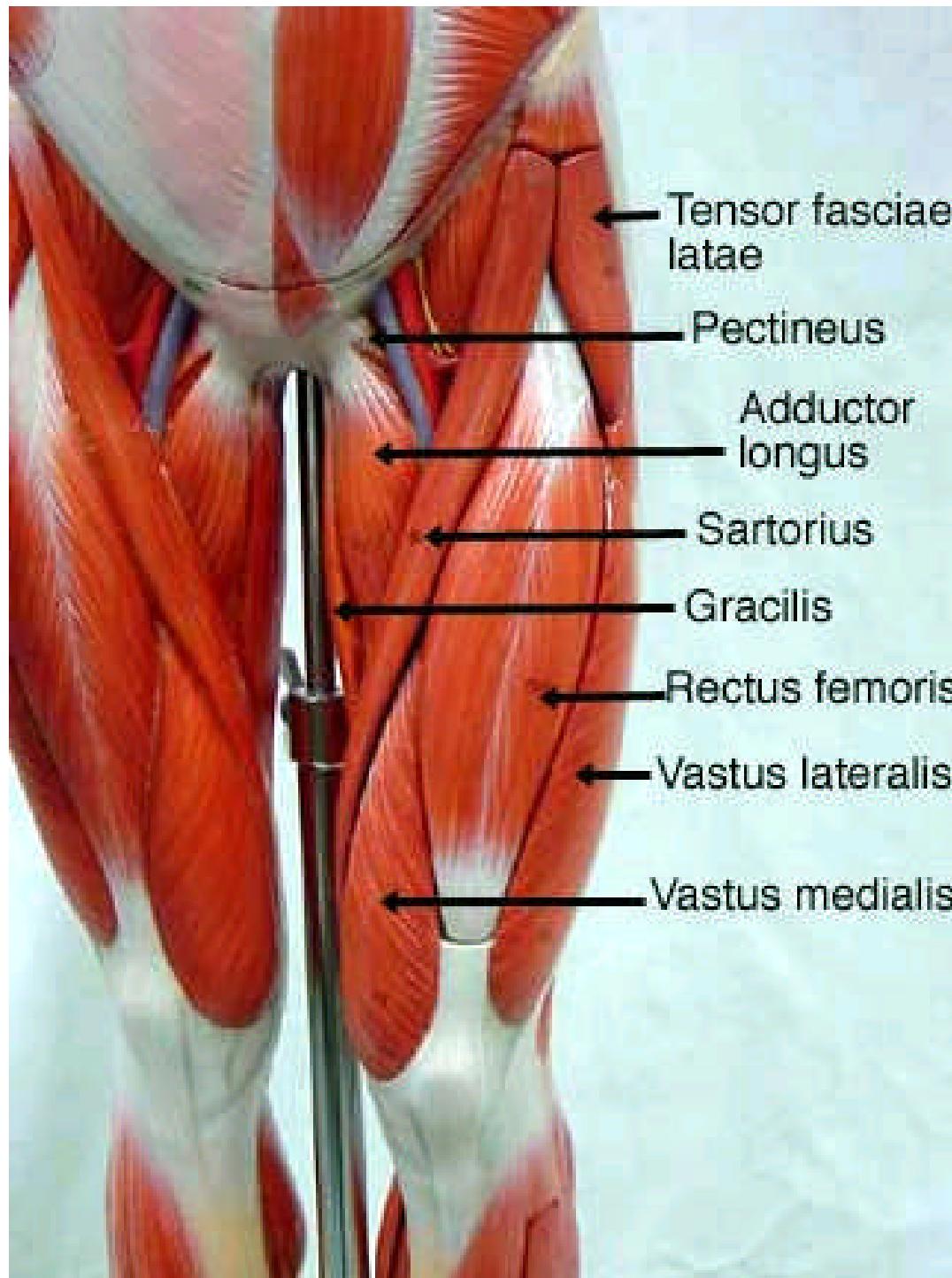


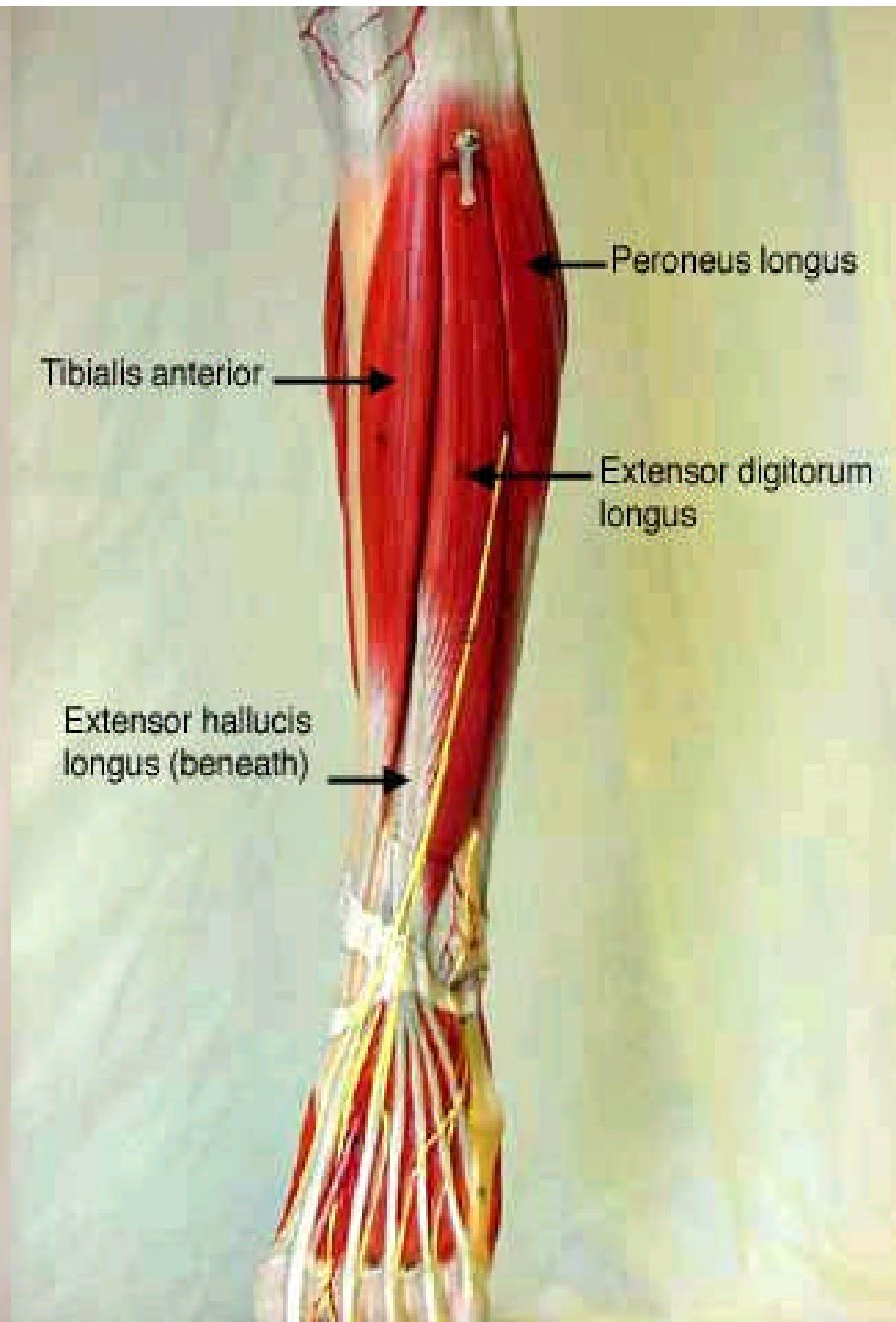
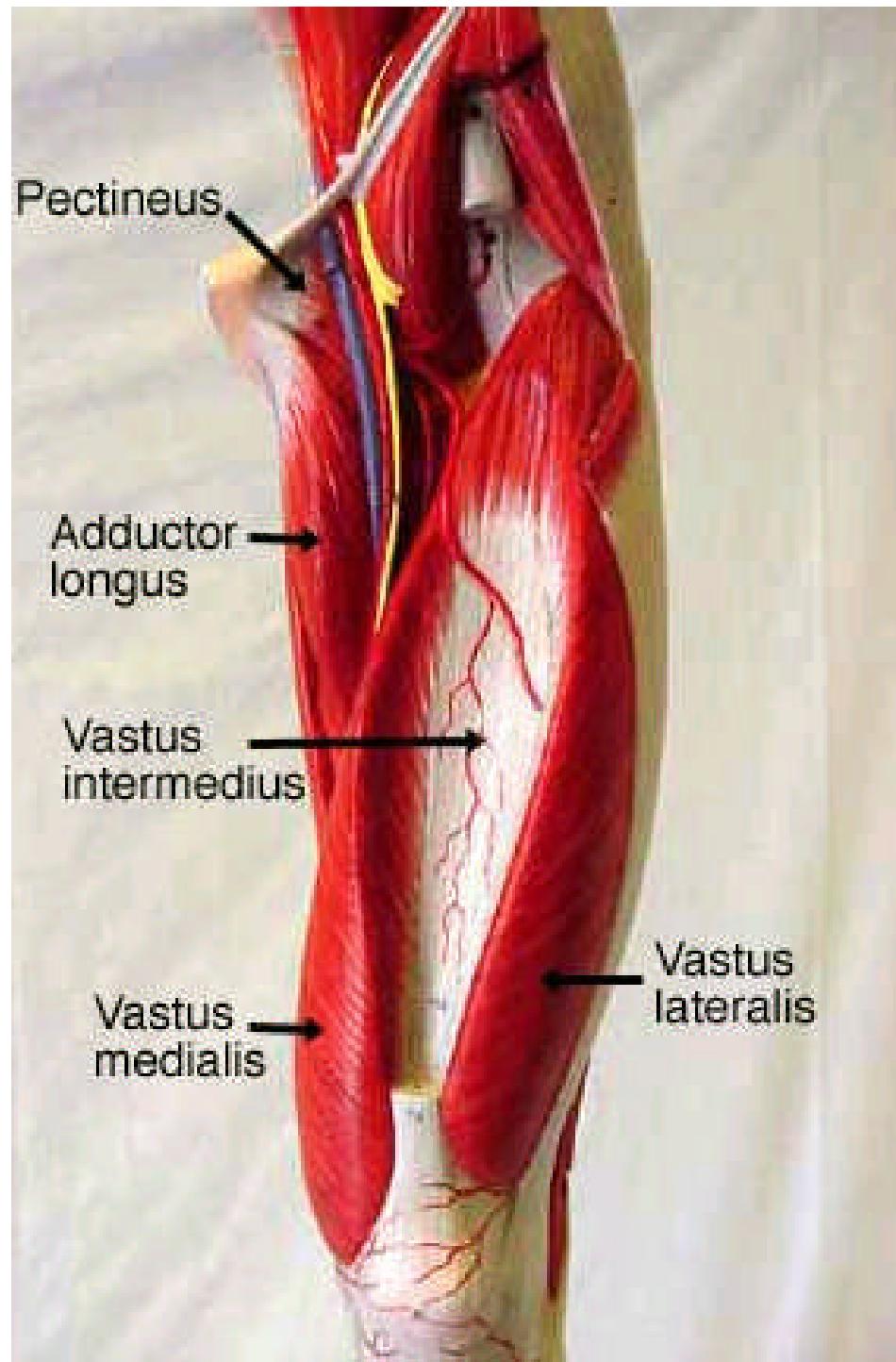


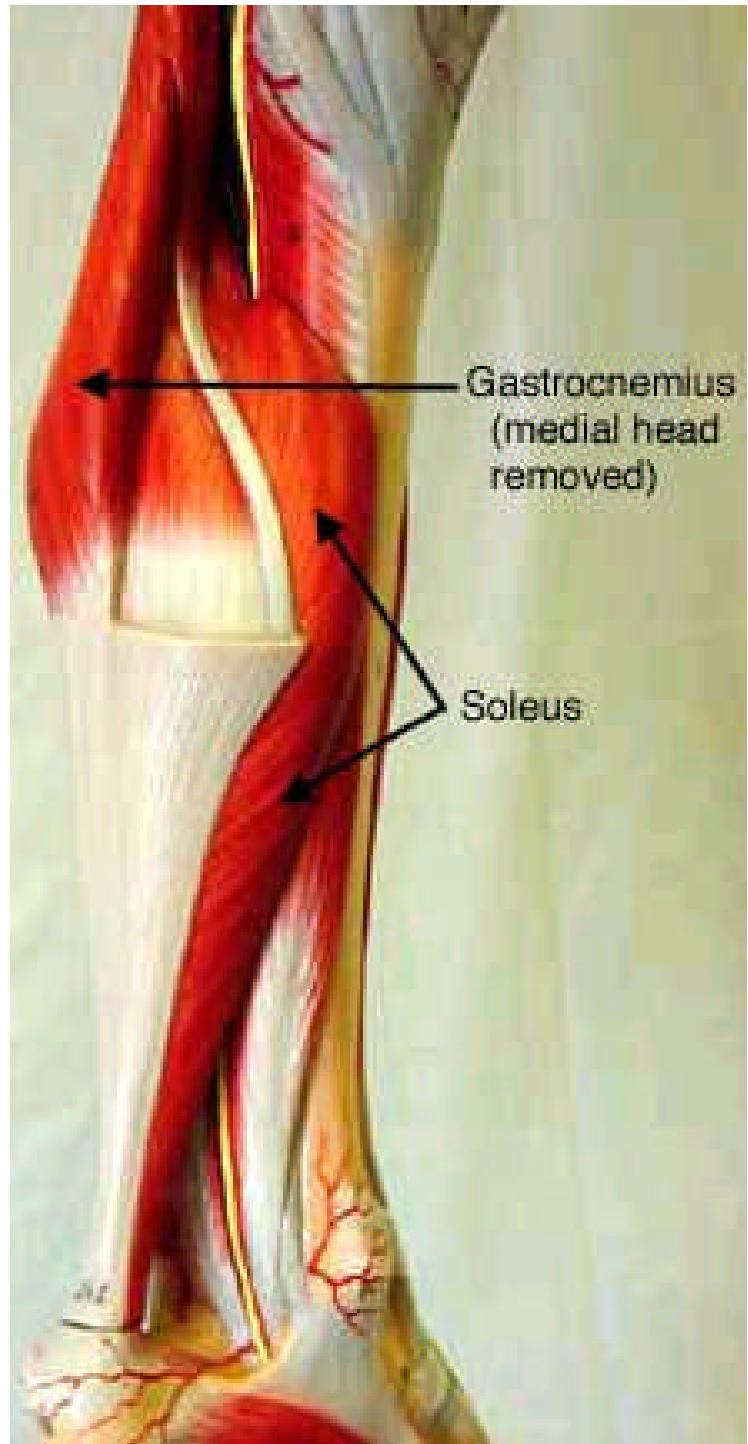






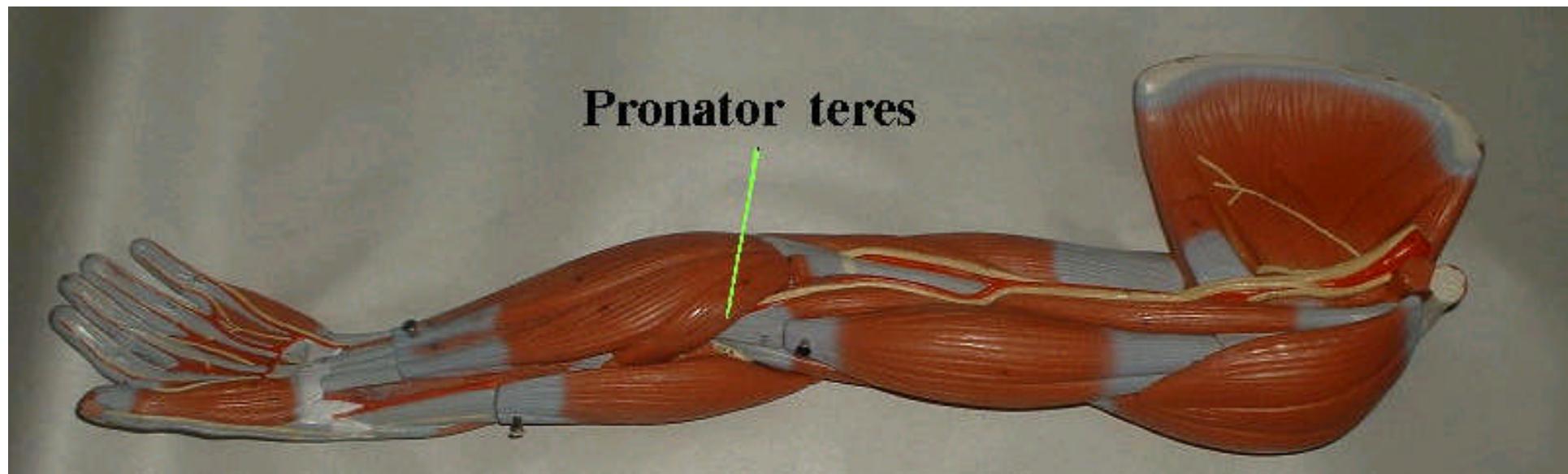




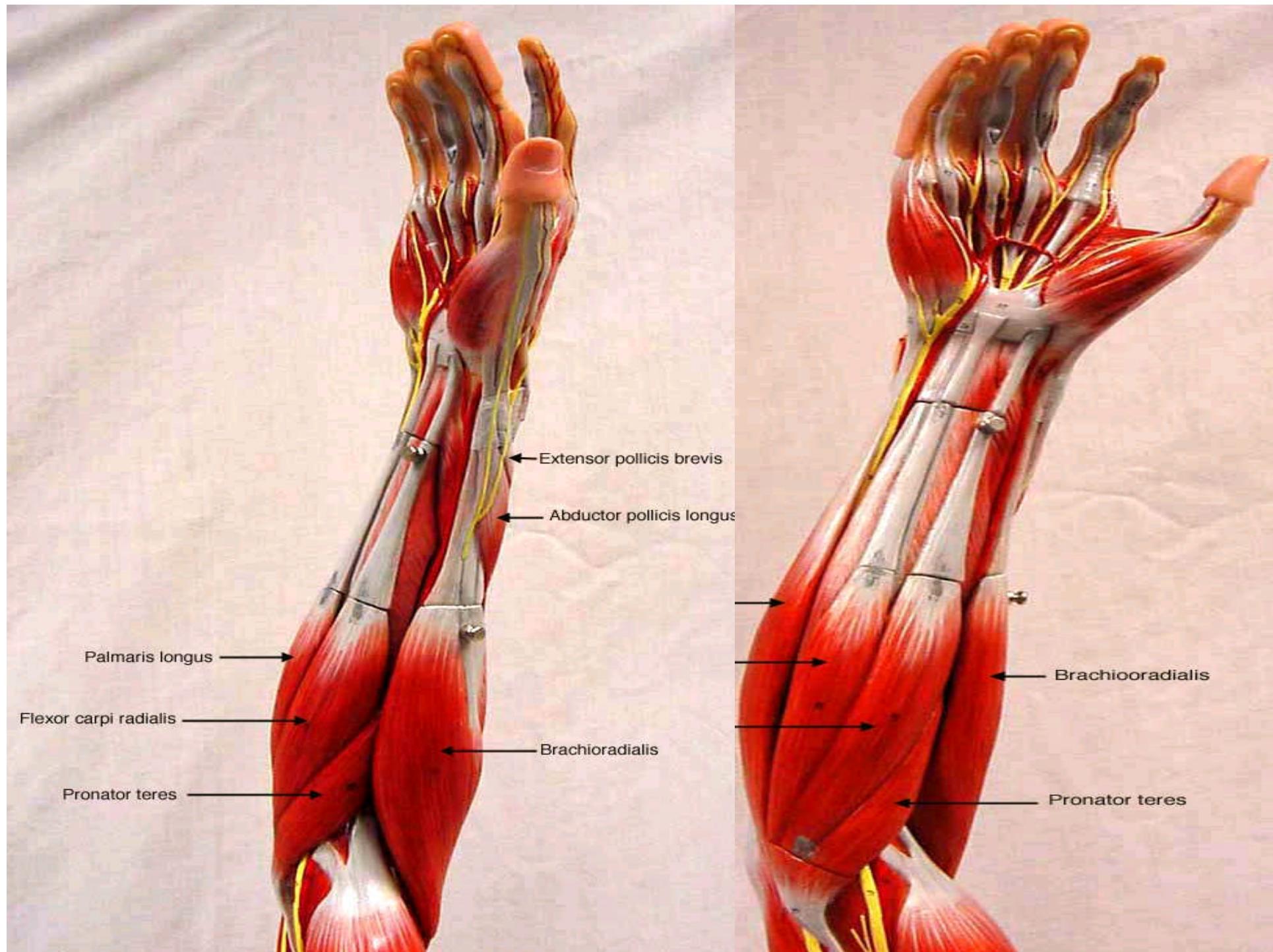


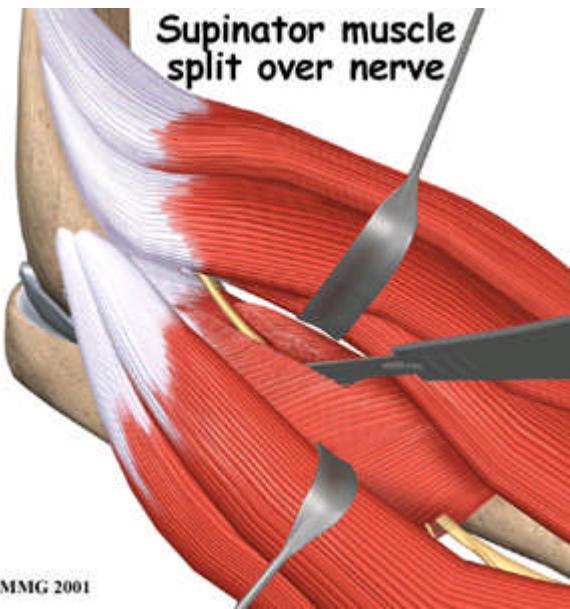
Gastrocnemius
(medial head
removed)

Soleus

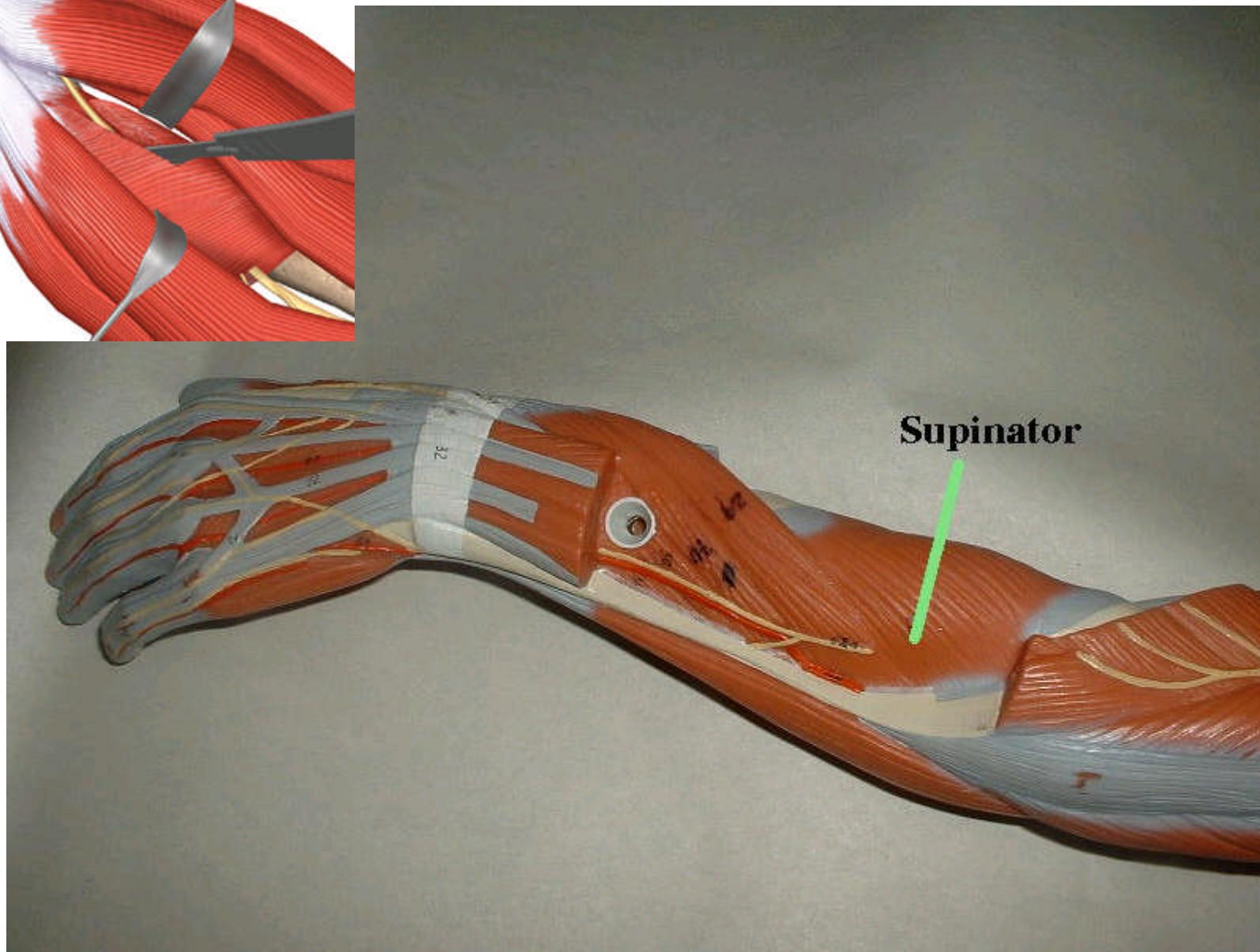


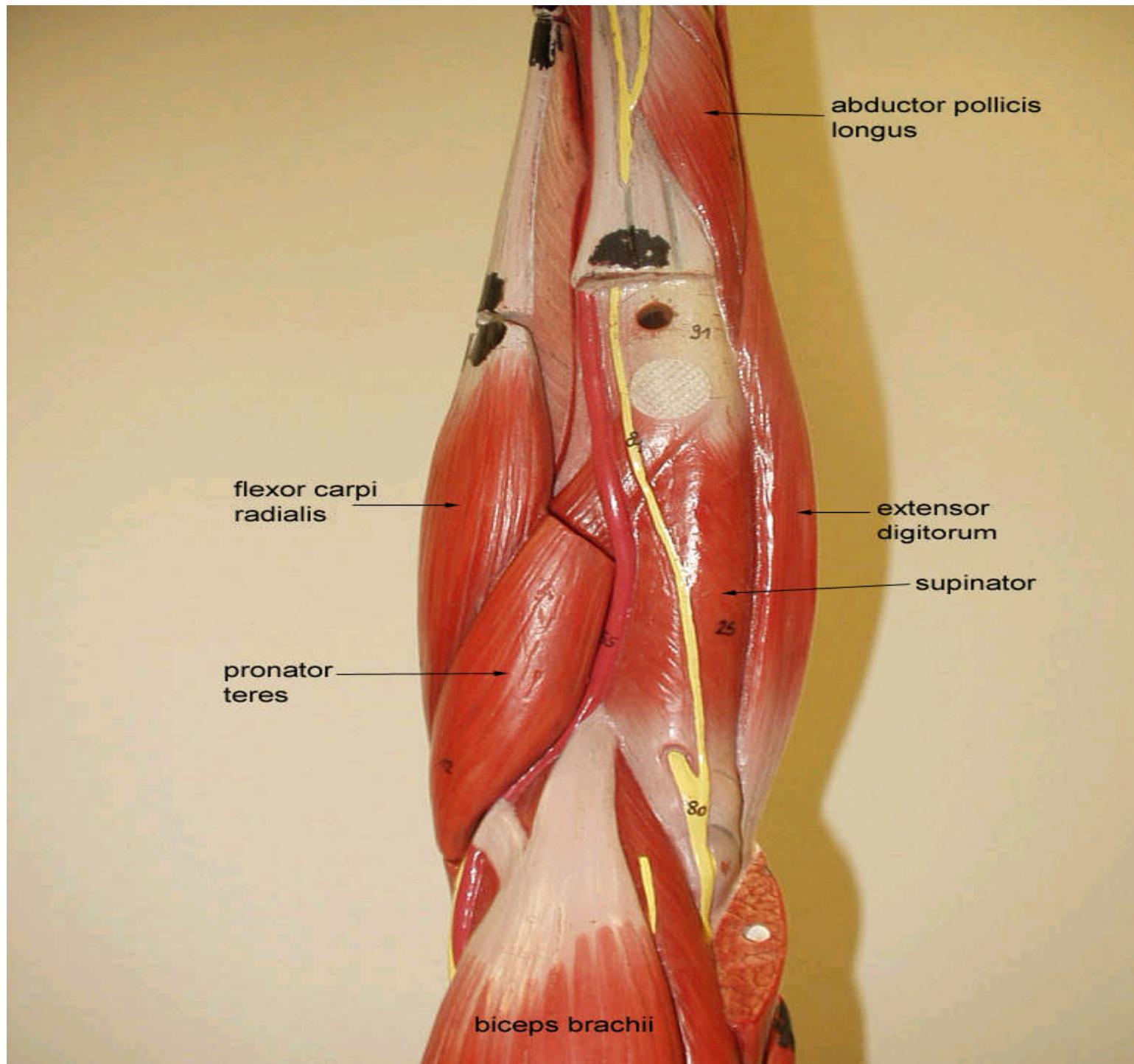
Pronator teres

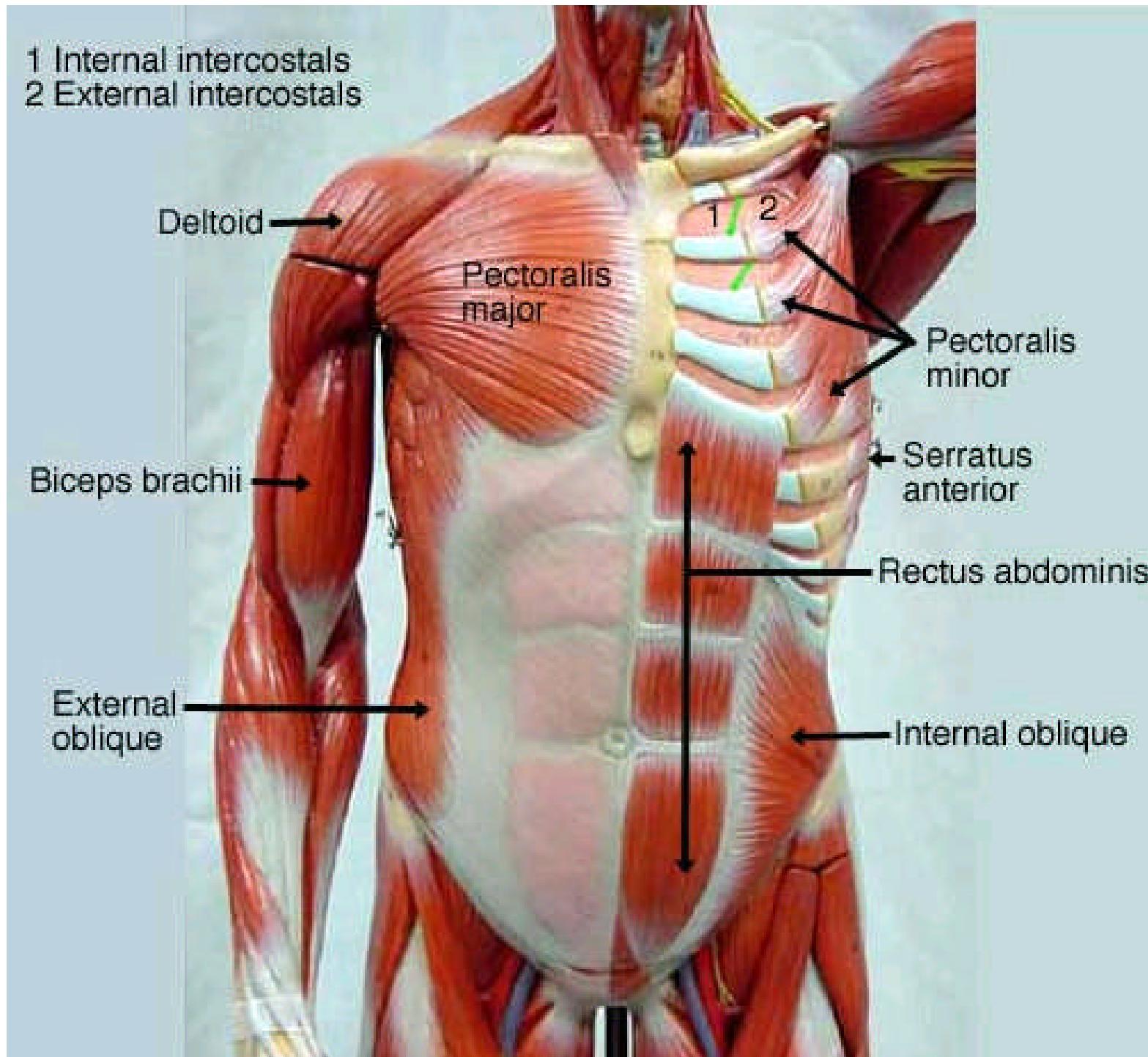


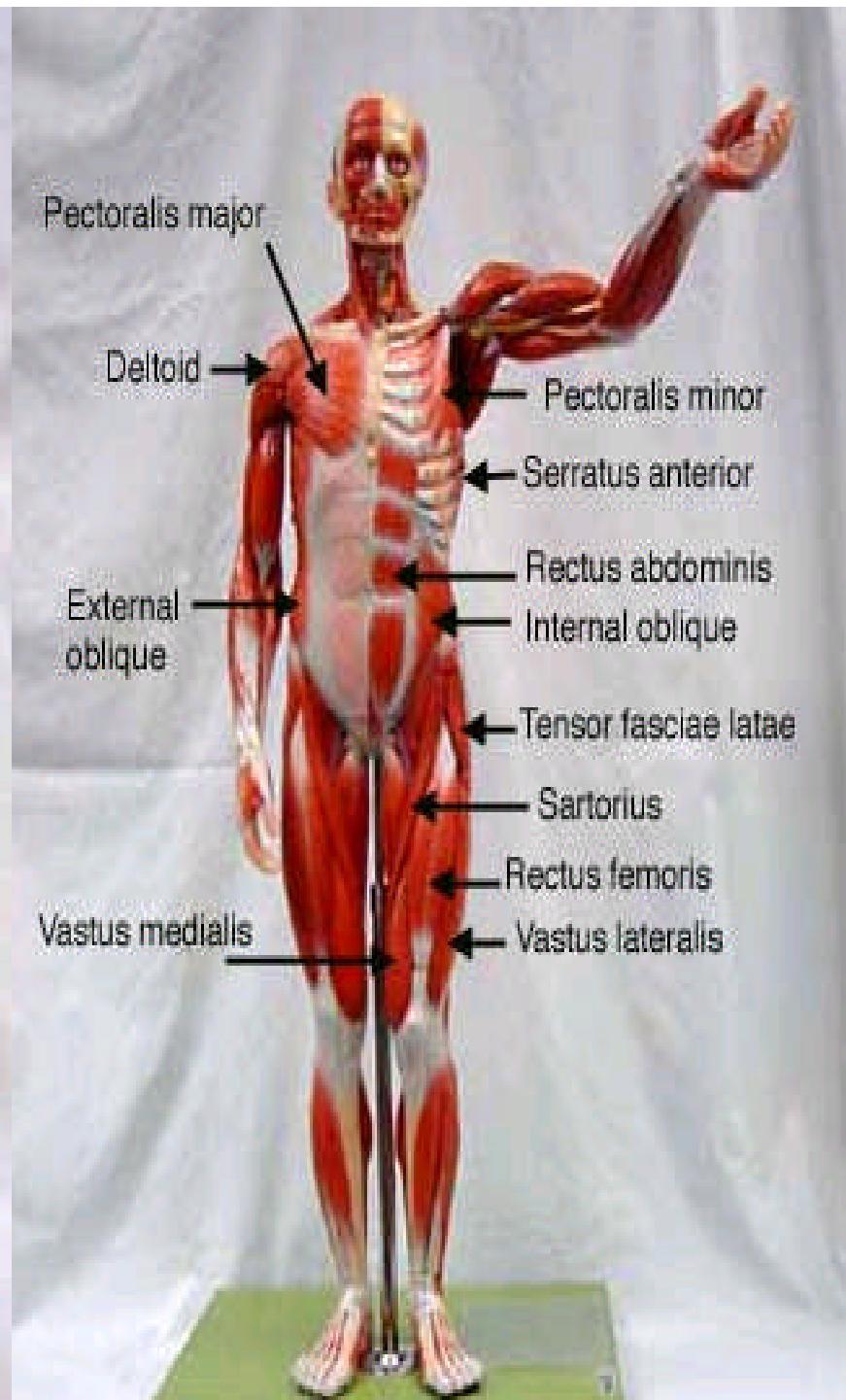
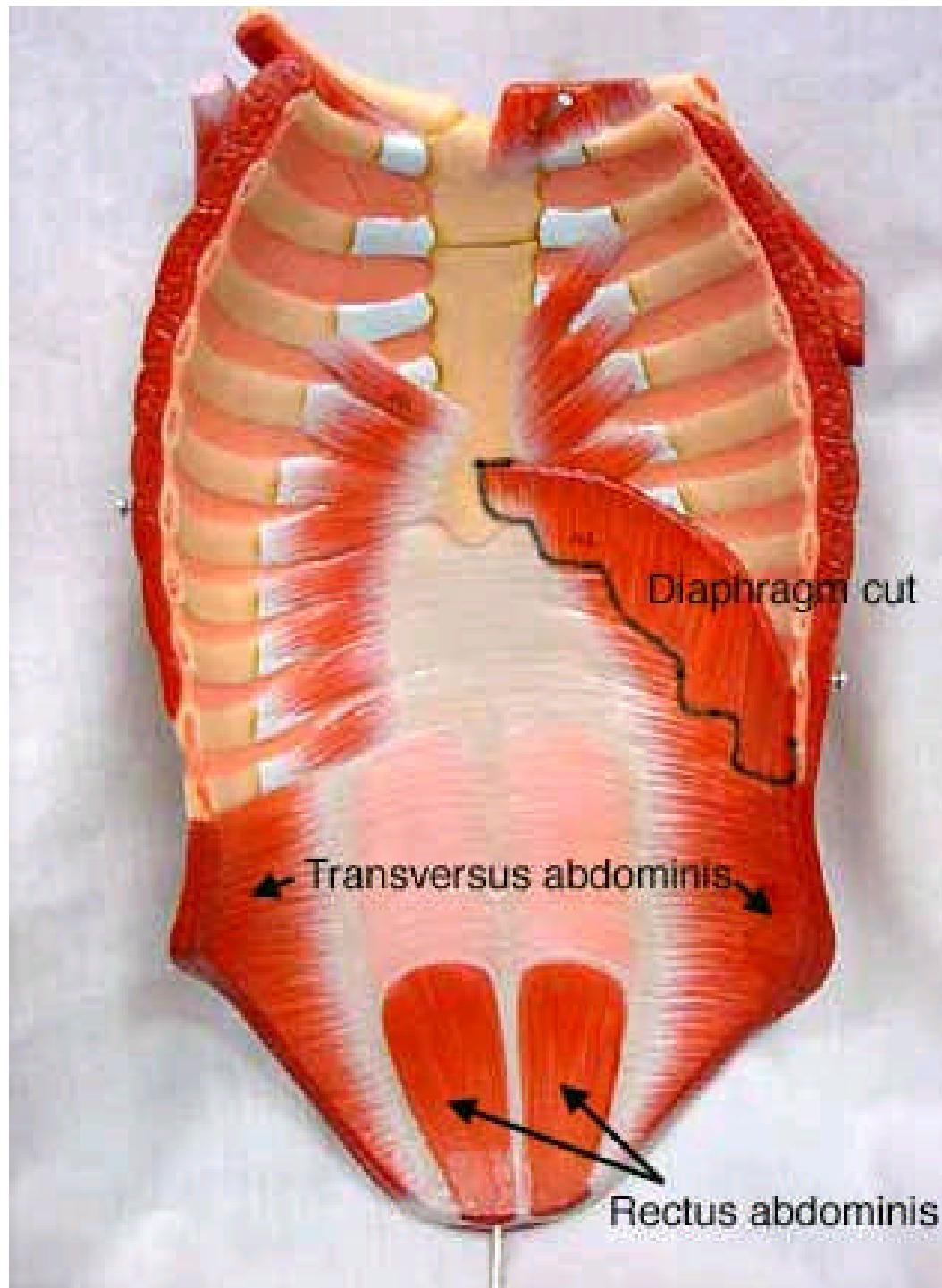


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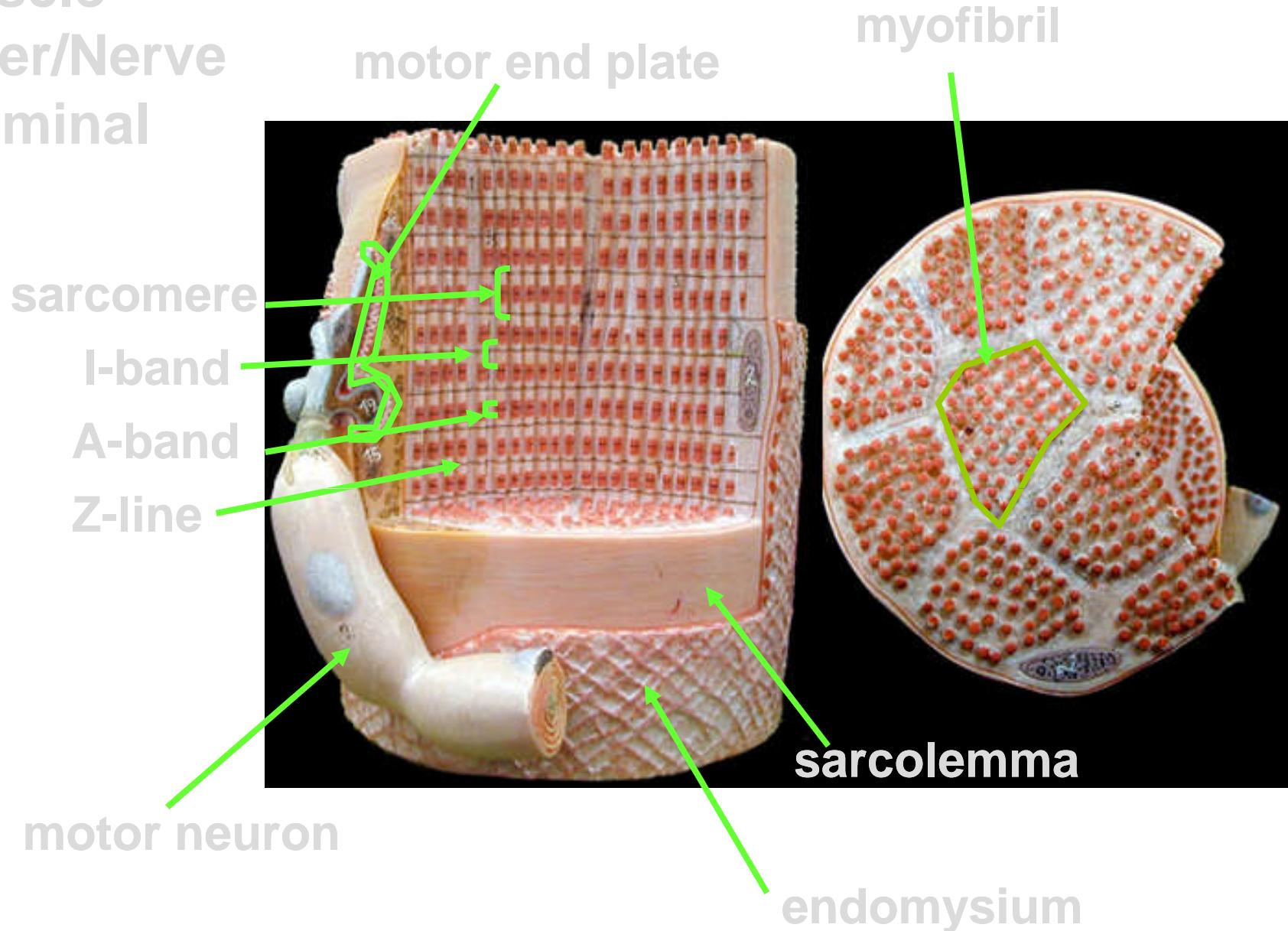


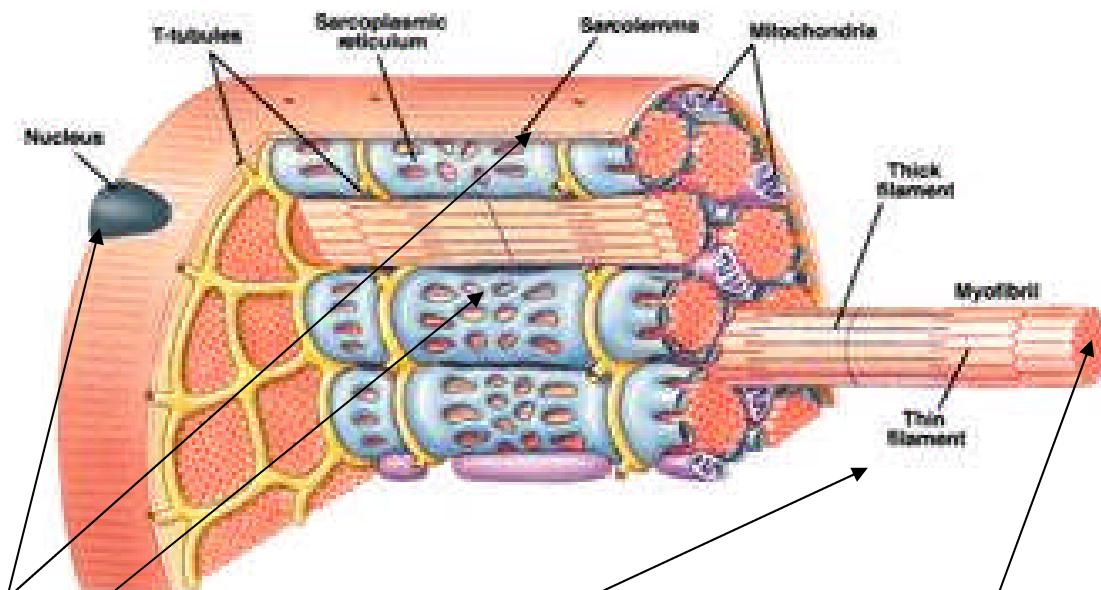
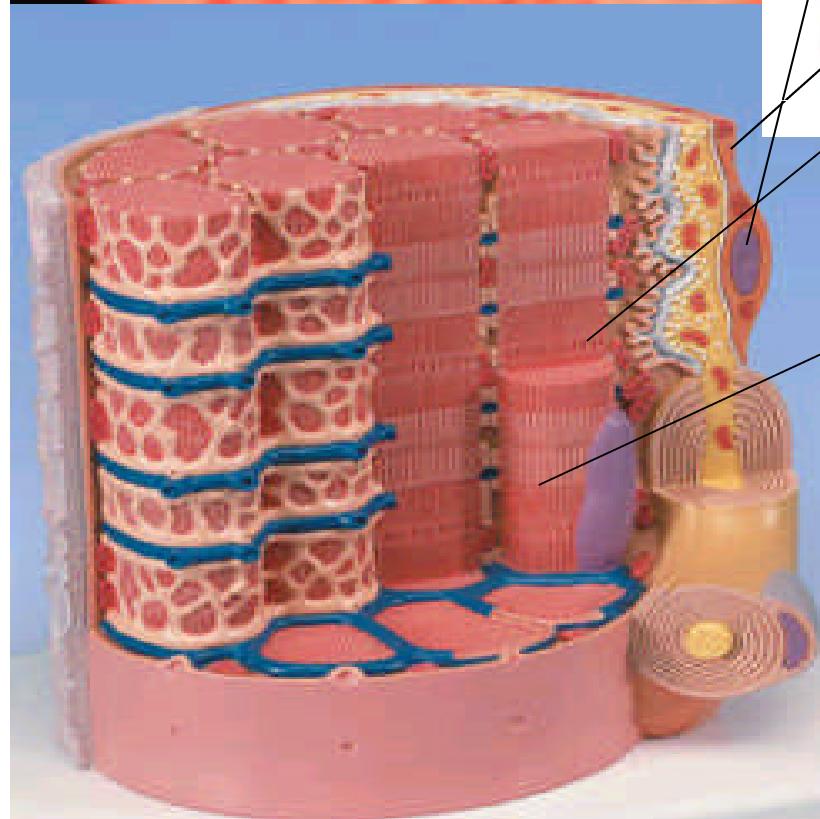
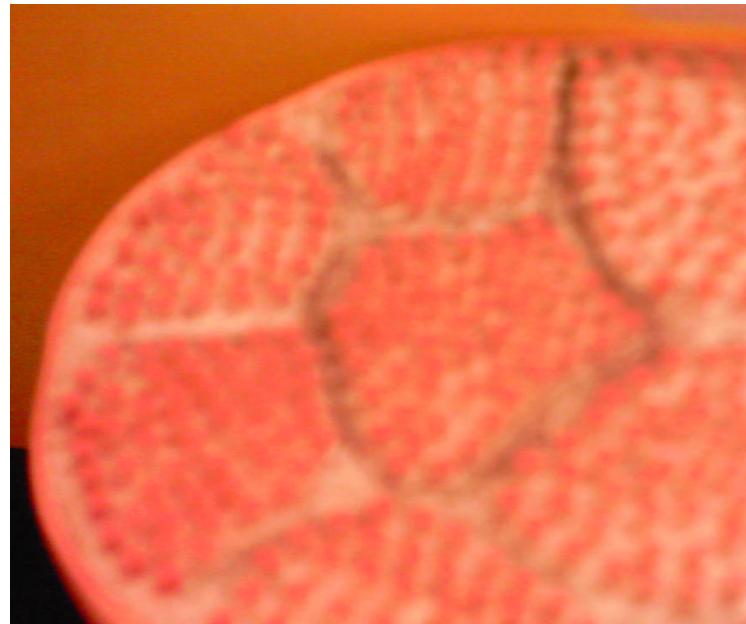




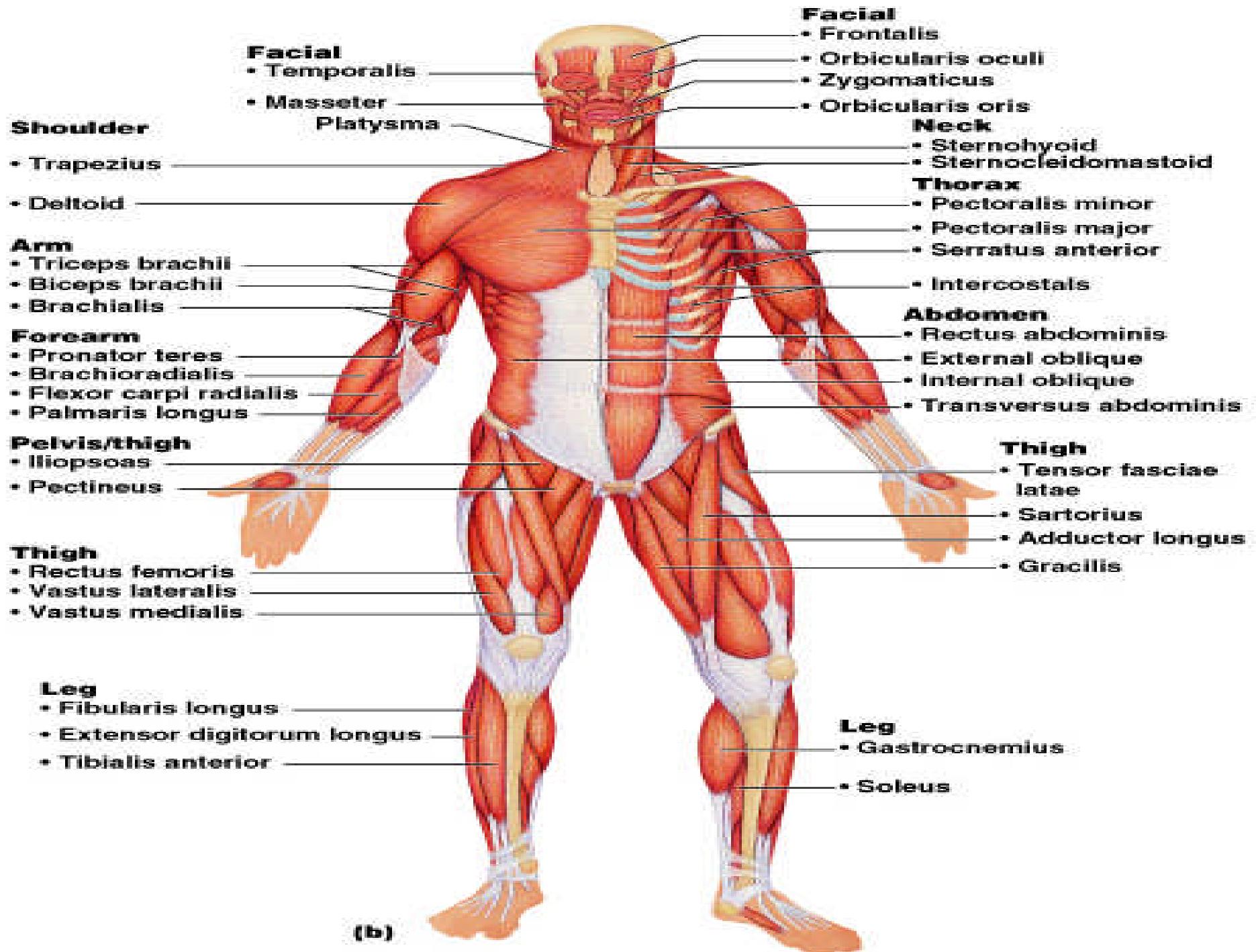


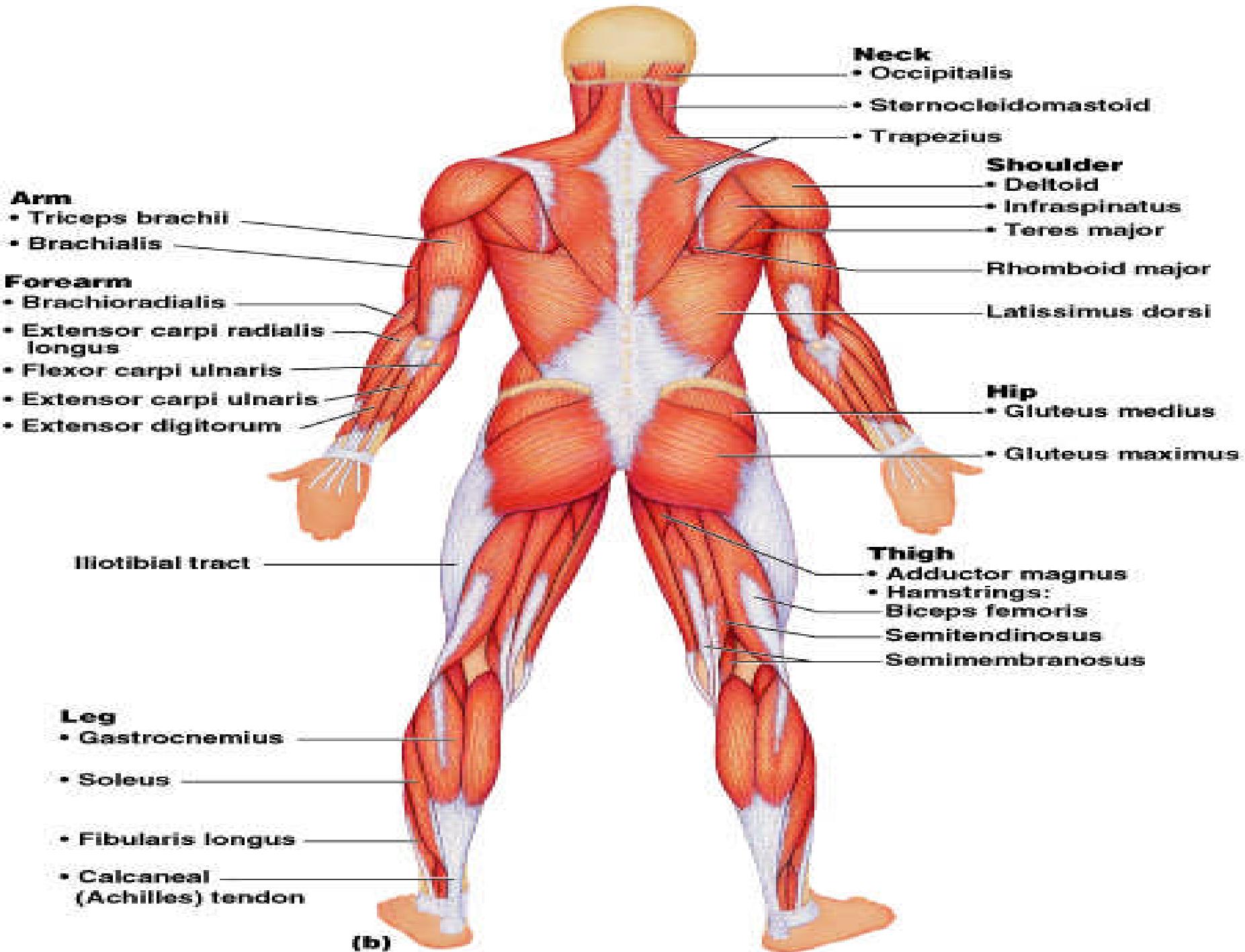
Muscle Fiber/Nerve Terminal

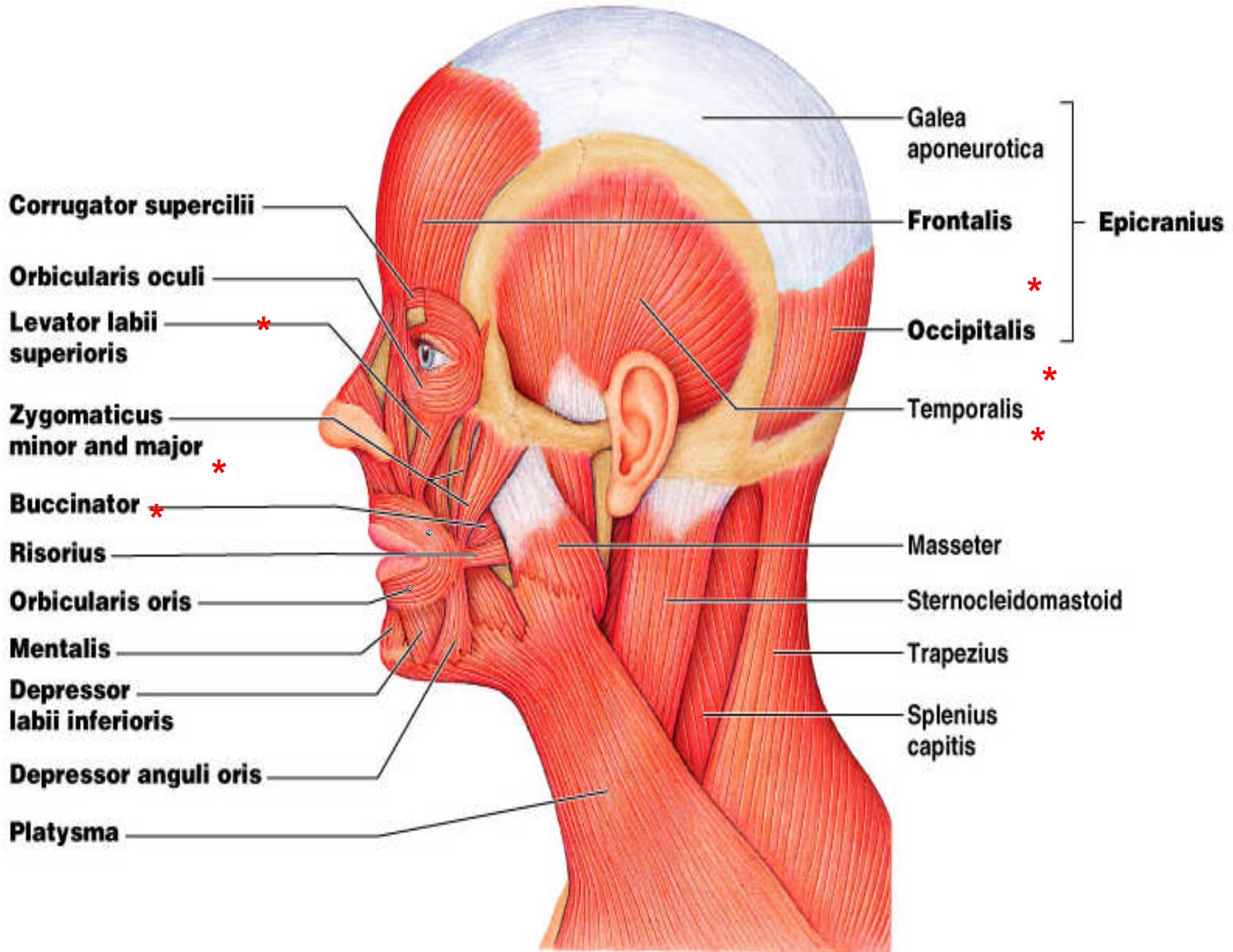




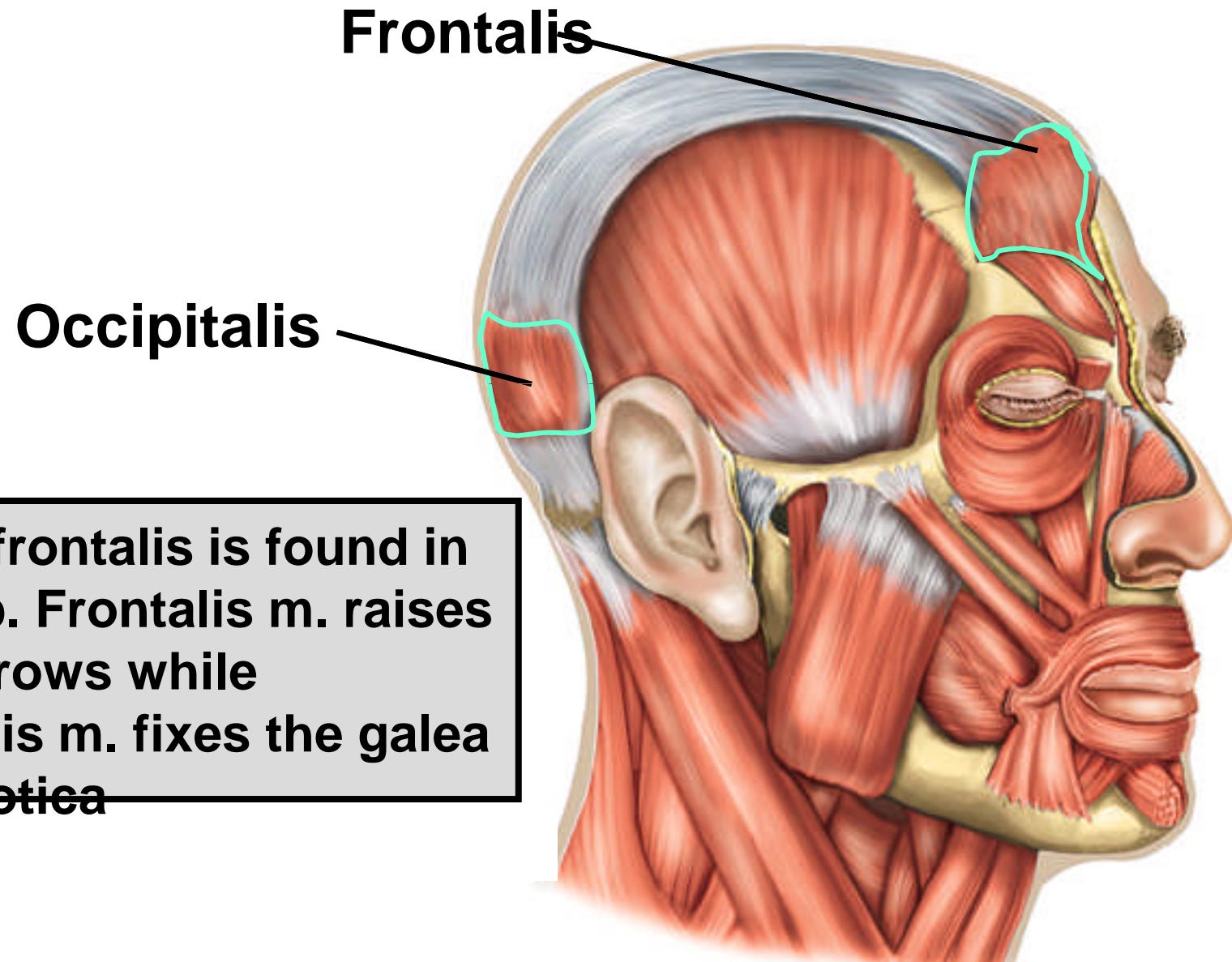
2006.03.07





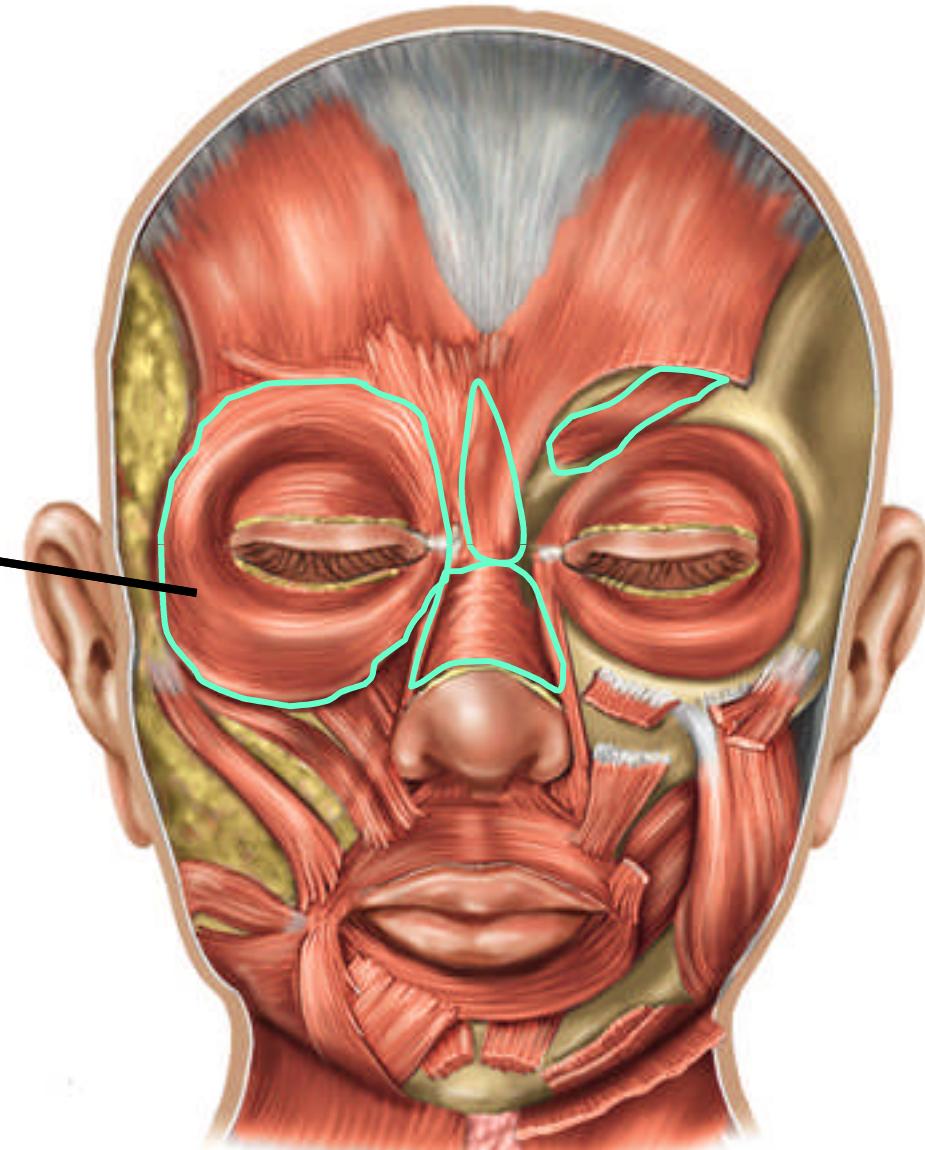


Muscles of the Scalp and Forehead



Muscles around the Eyes

Orbicularis Oculi

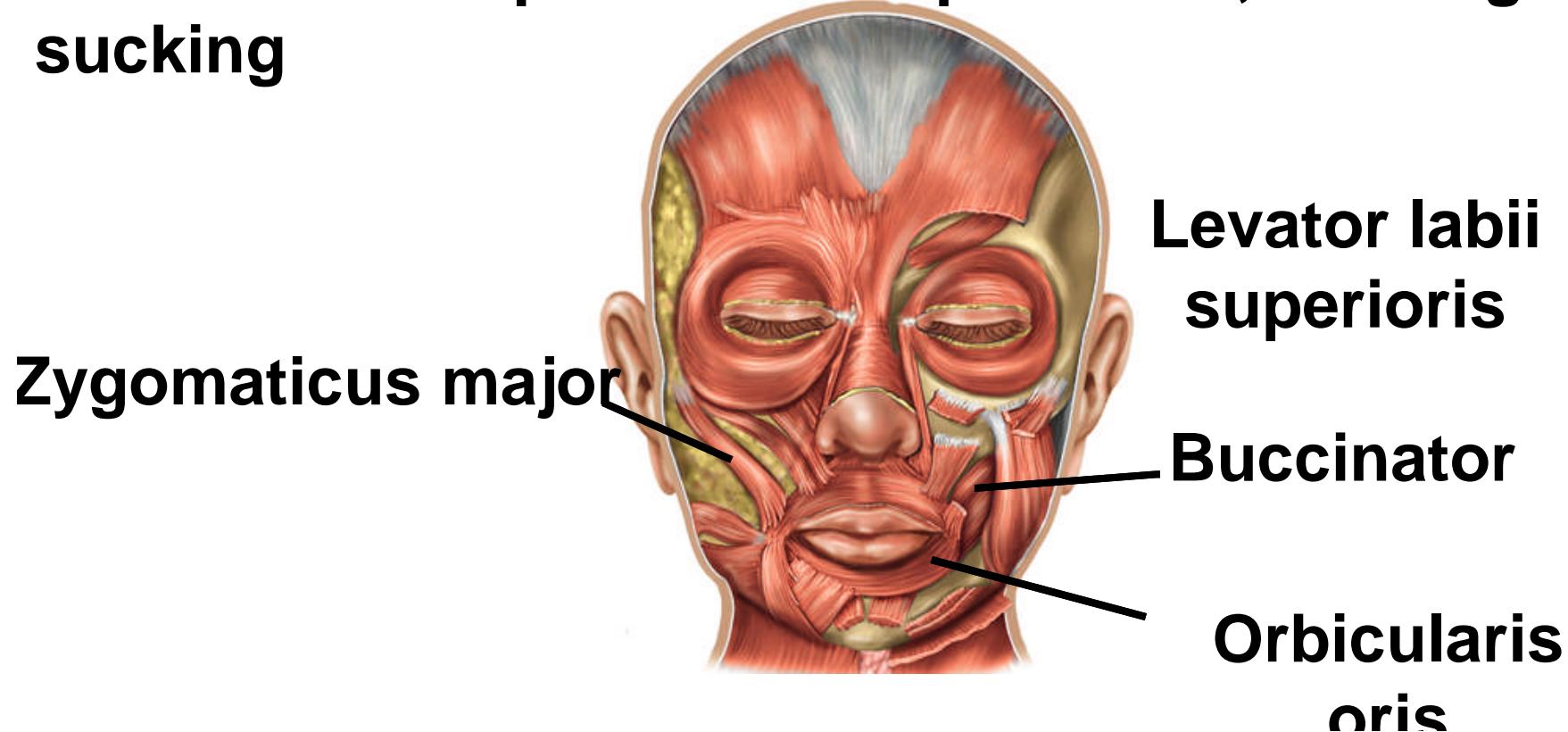


Muscles around the Mouth

Orbicularis oris encircles mouth & other mm blend into it

Zygomaticus curl corner of mouth up in smile

Buccinator keeps food on top of teeth, blowing & sucking



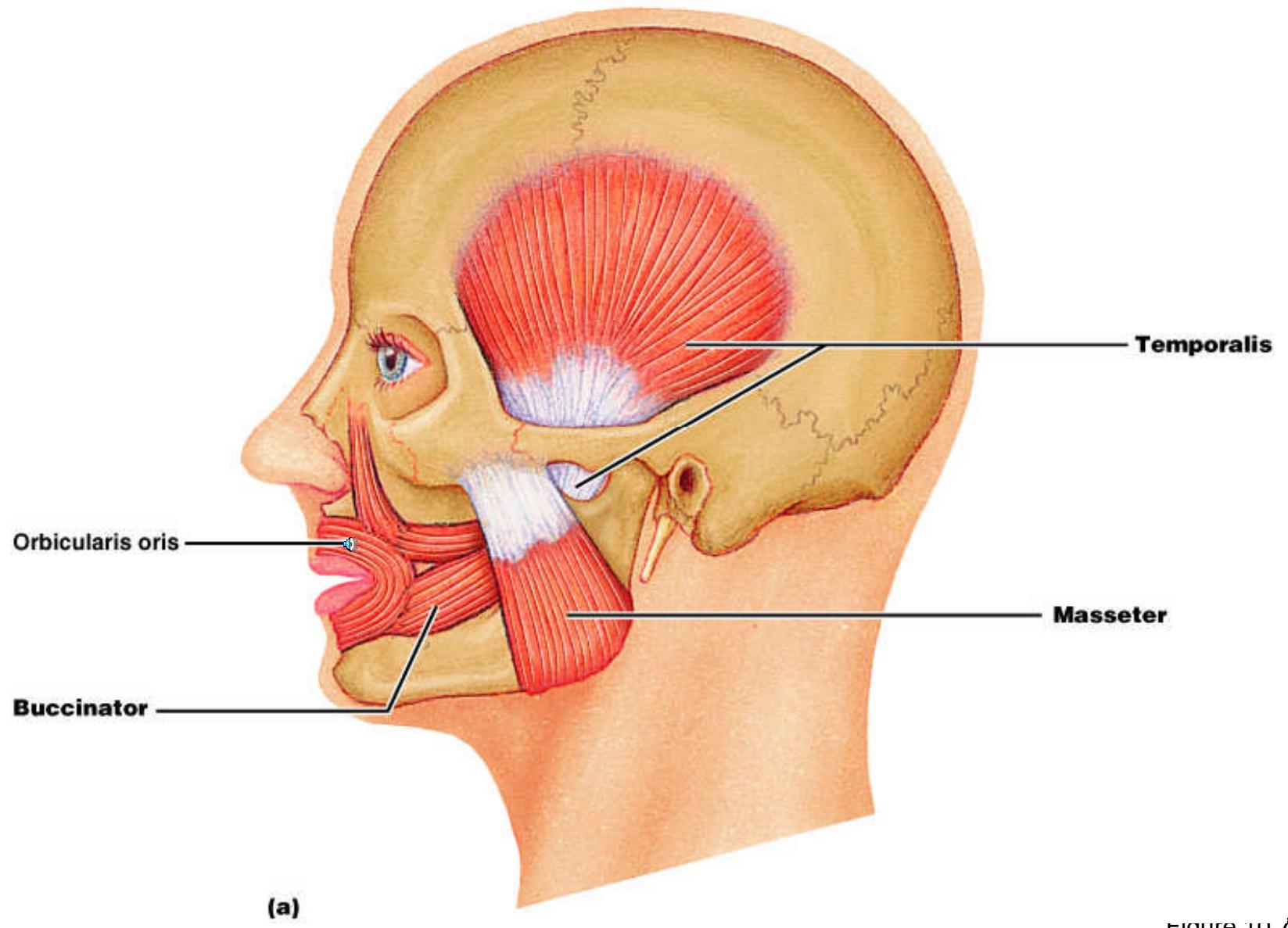


Figure 10.7a

MUSCLES OF THE NECK: Head Movements

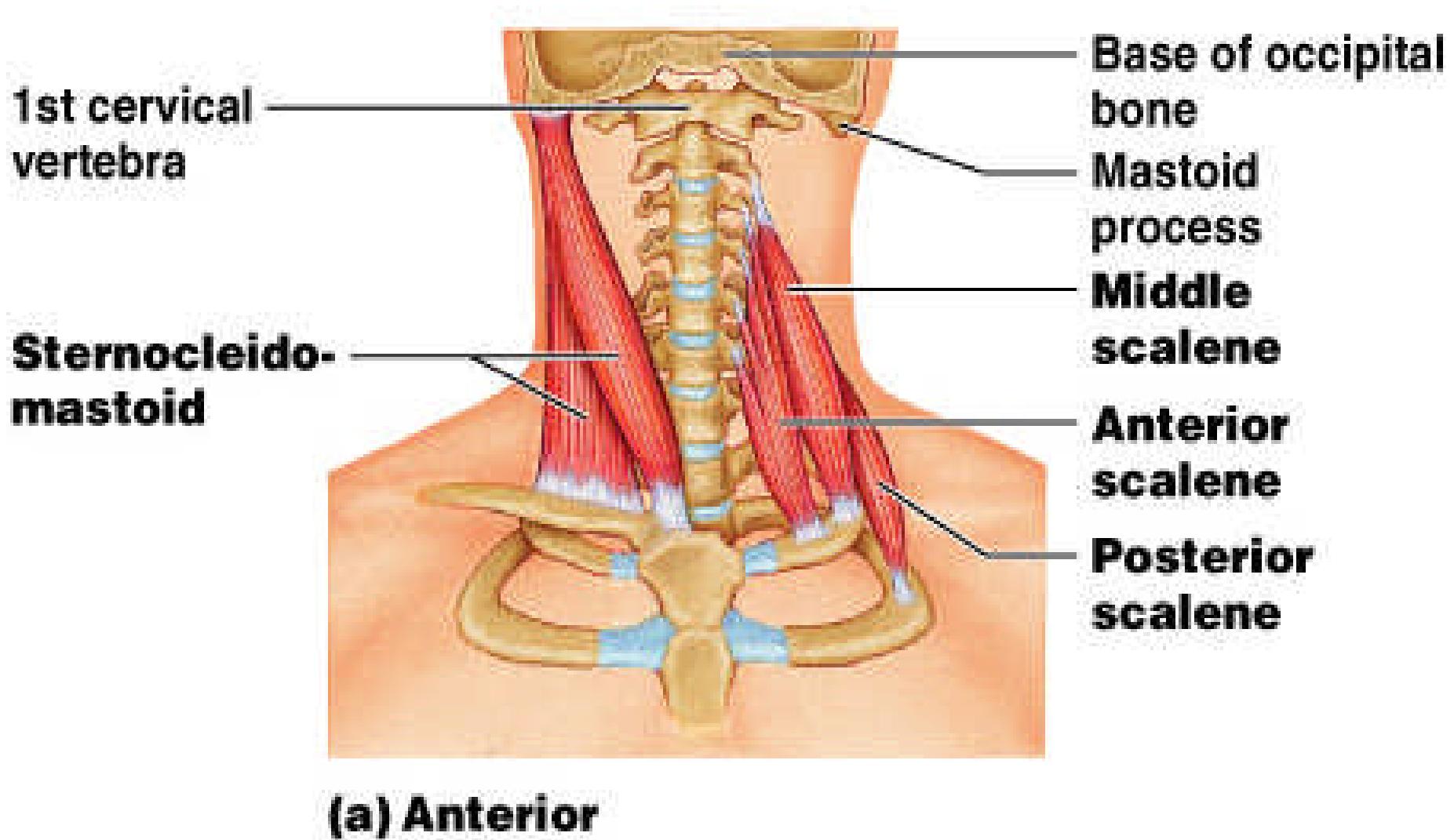
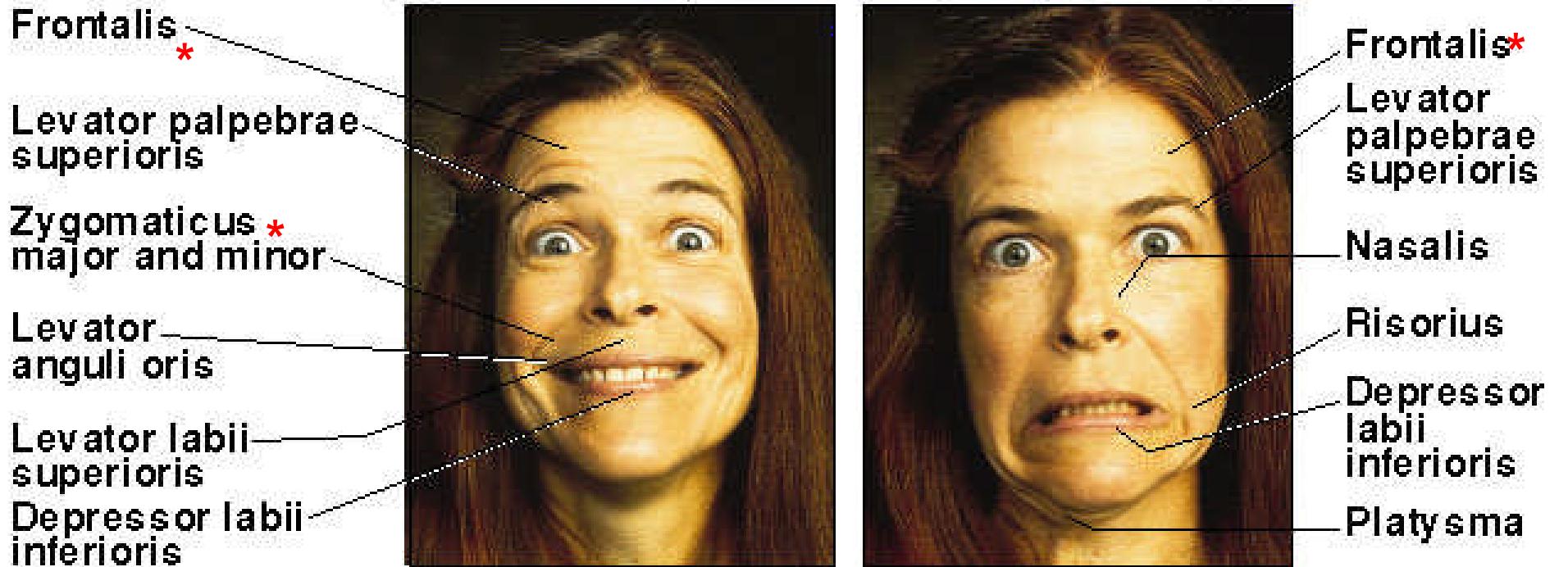


Figure 10.9a



Muscles of the Abdominal Wall

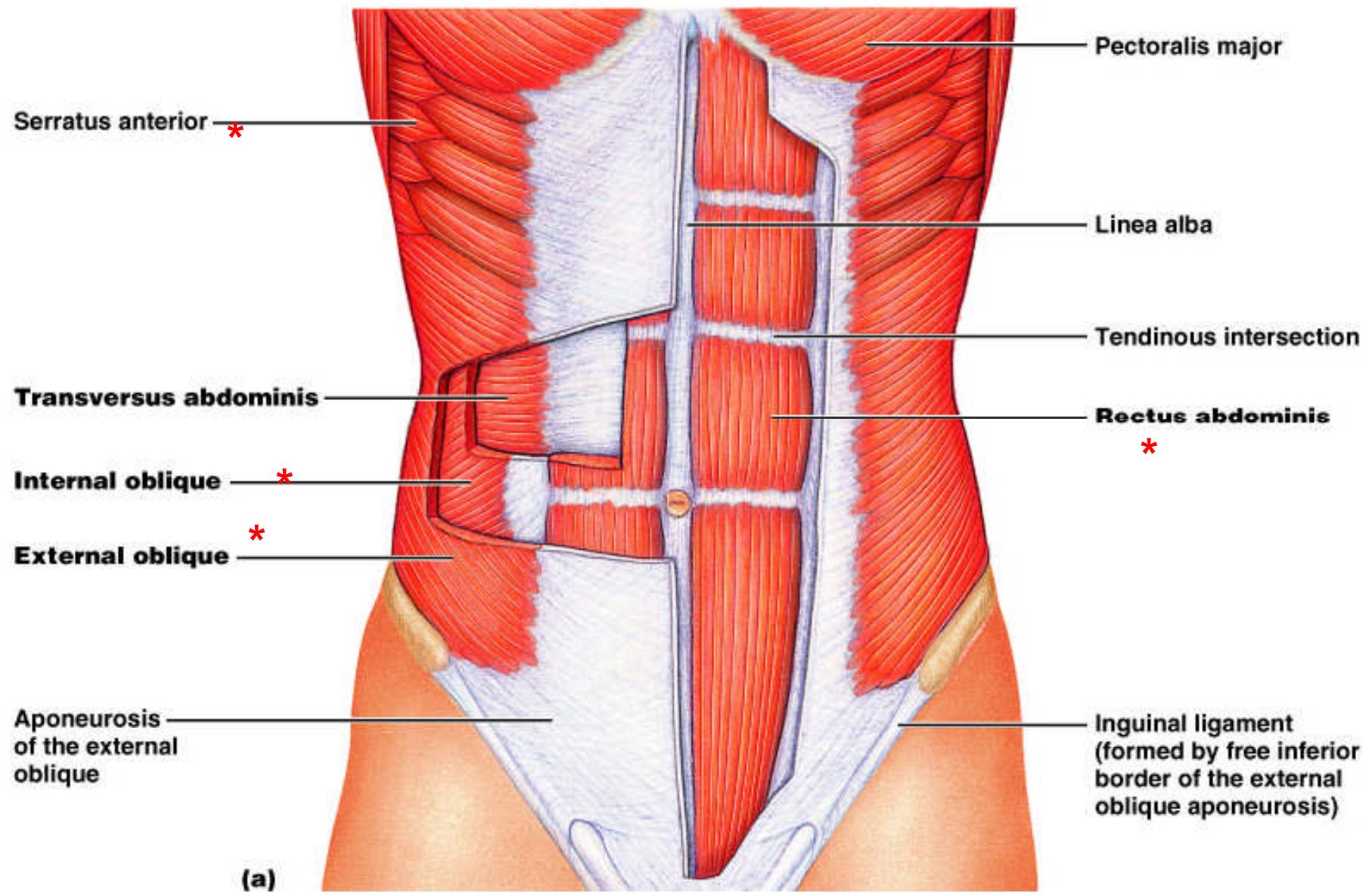


Figure 10.11a

Muscles of the Abdominal Wall

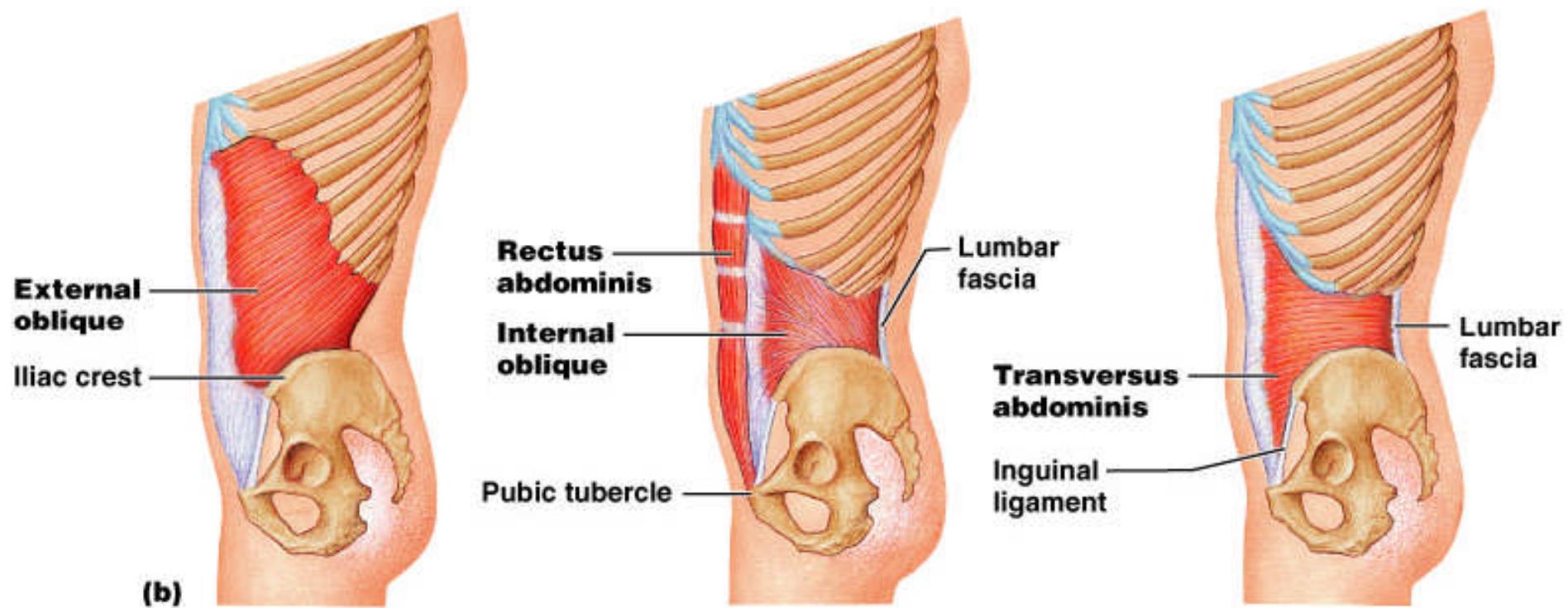
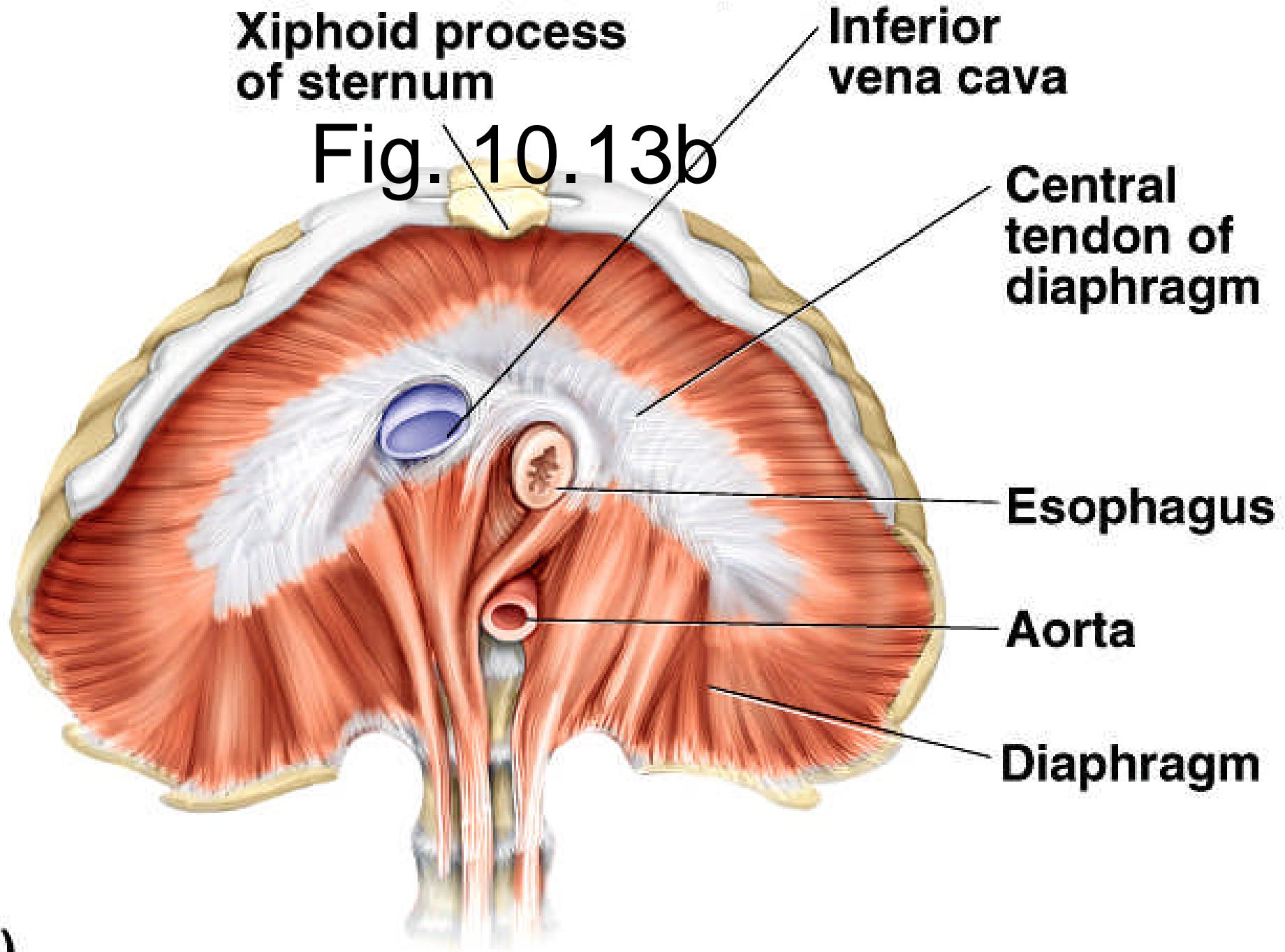


Figure 10.11b



Muscles of Respiration

- Internal intercostals – deeper layer that aids in forced expiration
- Diaphragm – most important muscle in inspiration

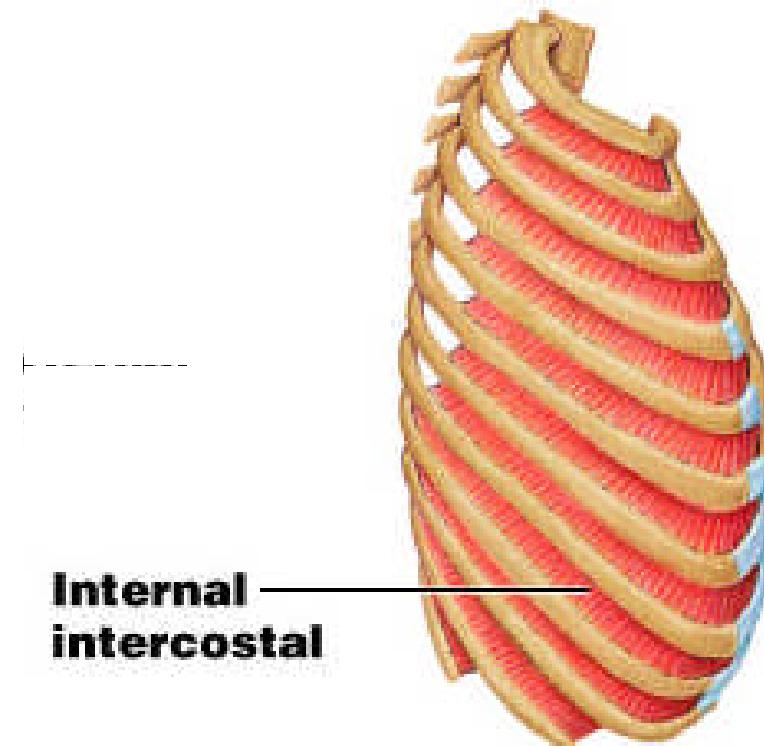


Figure 10.10a

Muscles of Respiration

- The primary function of deep thoracic muscles is to promote movement for breathing
- **External intercostals** – more superficial layer that lifts the rib cage and increases thoracic volume to allow **inspiration**

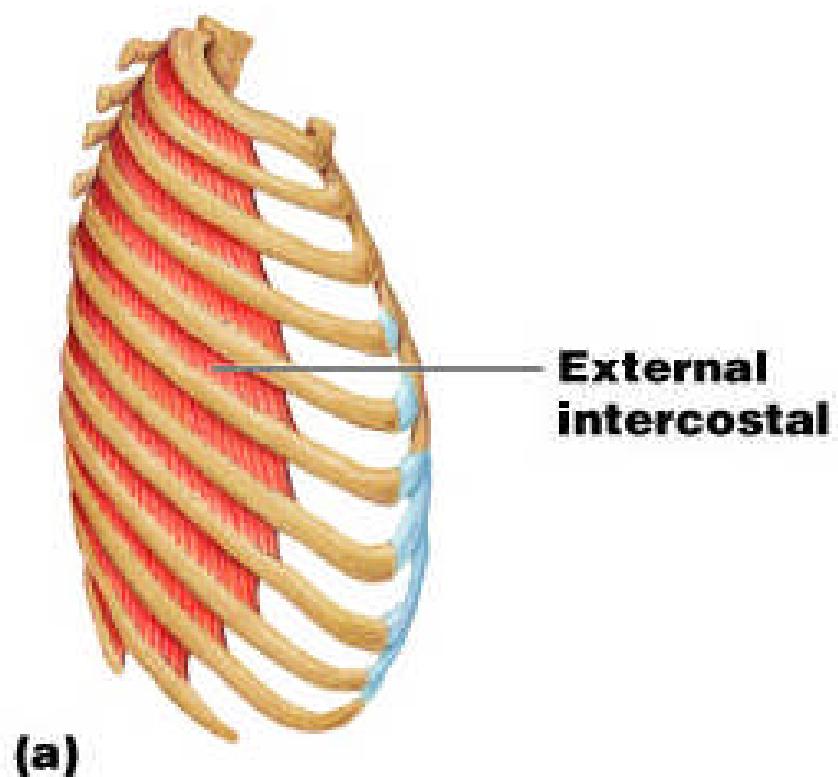


Figure 10.10a

Extrinsic Shoulder Muscles

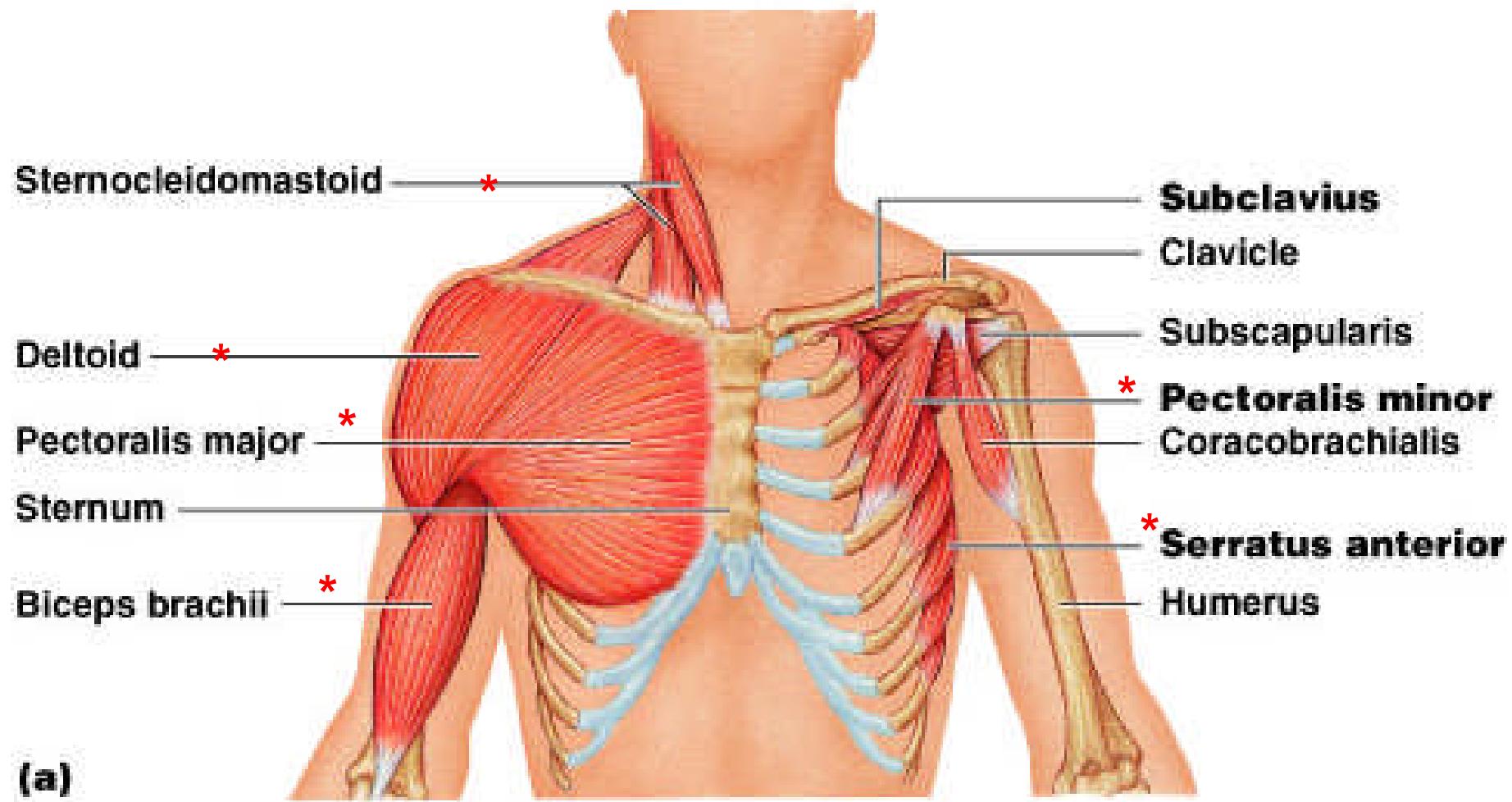


Figure 10.13a

Extrinsic Shoulder Muscles

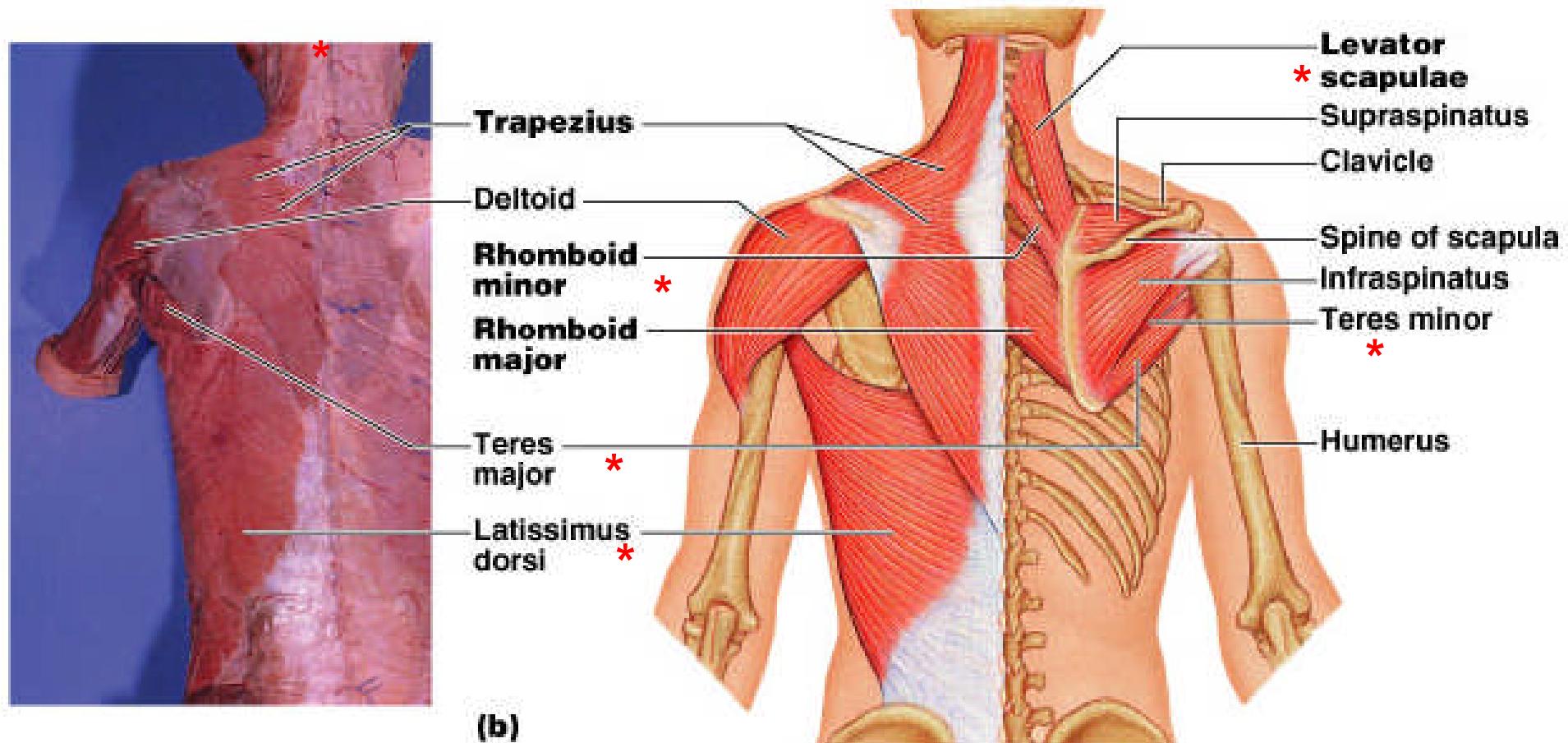


Figure 10.13b

Muscles Crossing the Shoulder

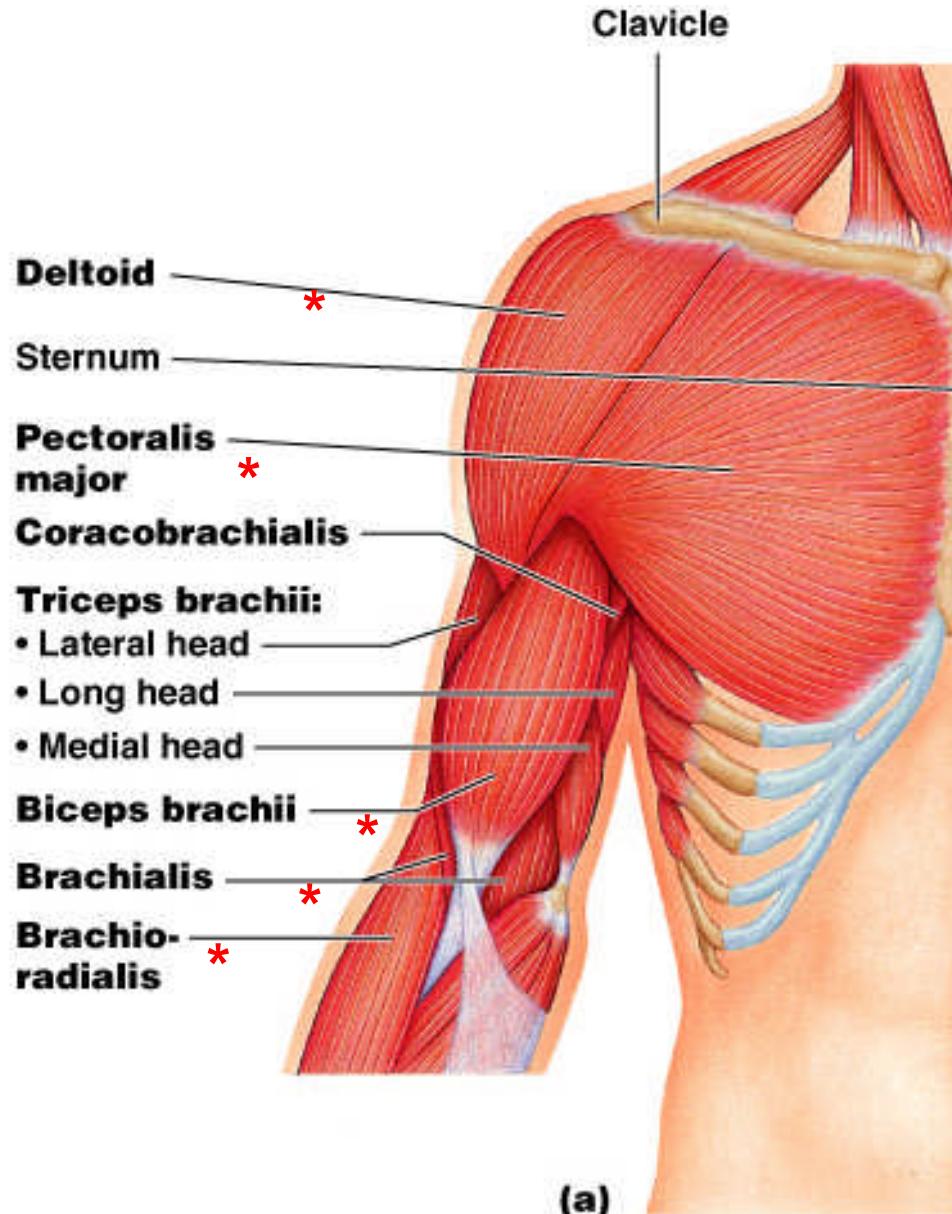


Figure 10.14a

Muscles Crossing the Shoulder

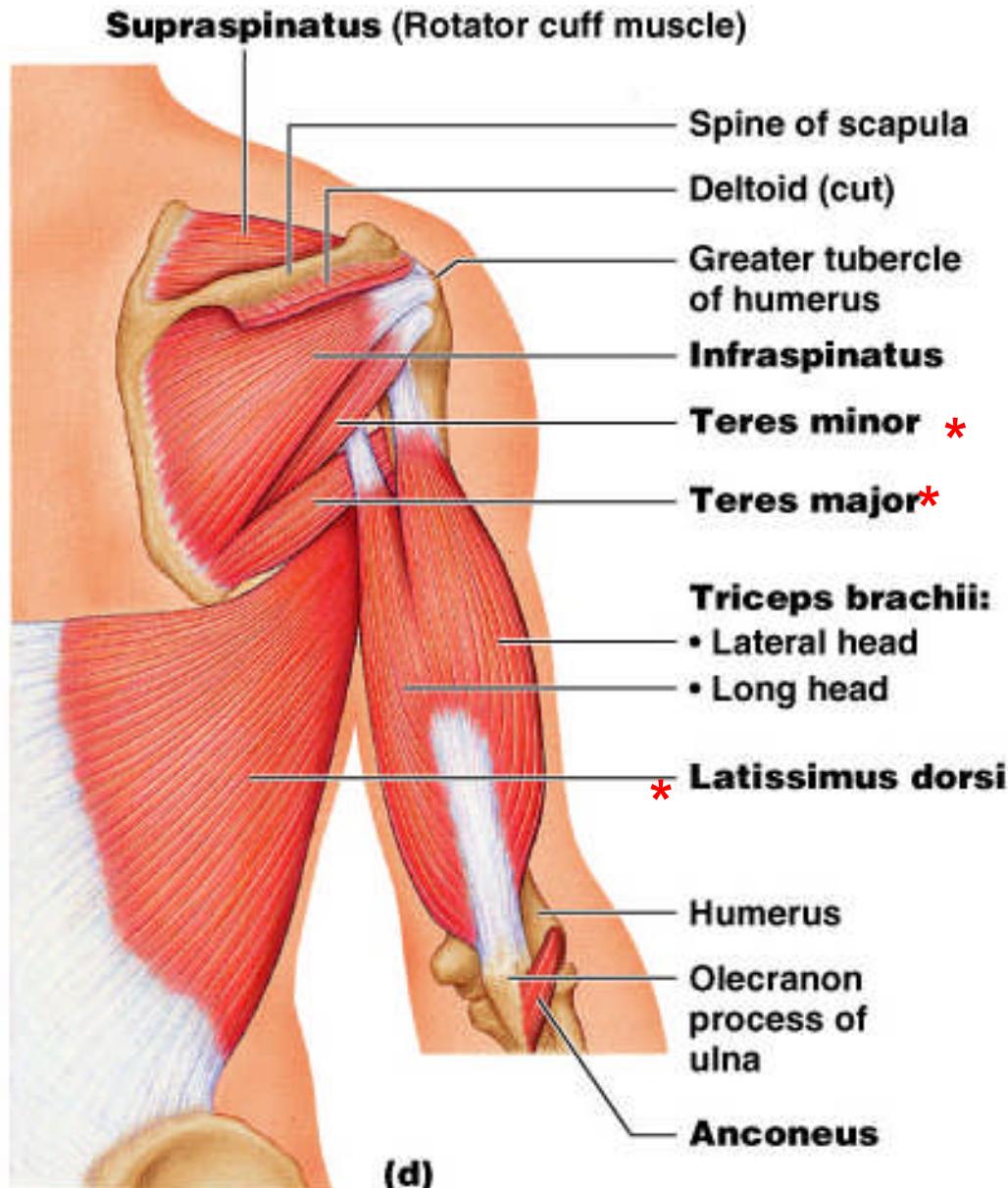


Figure 10.14d

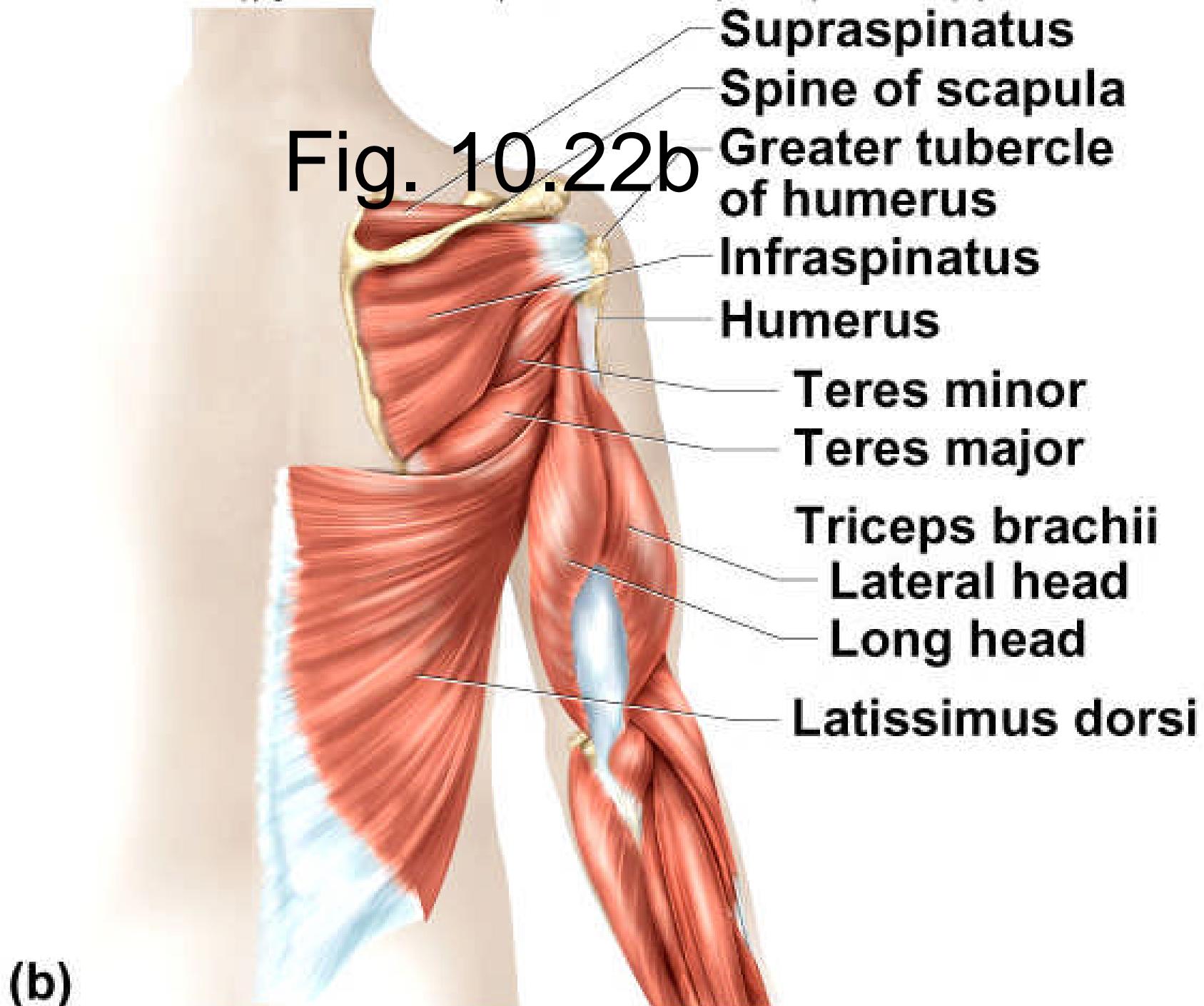
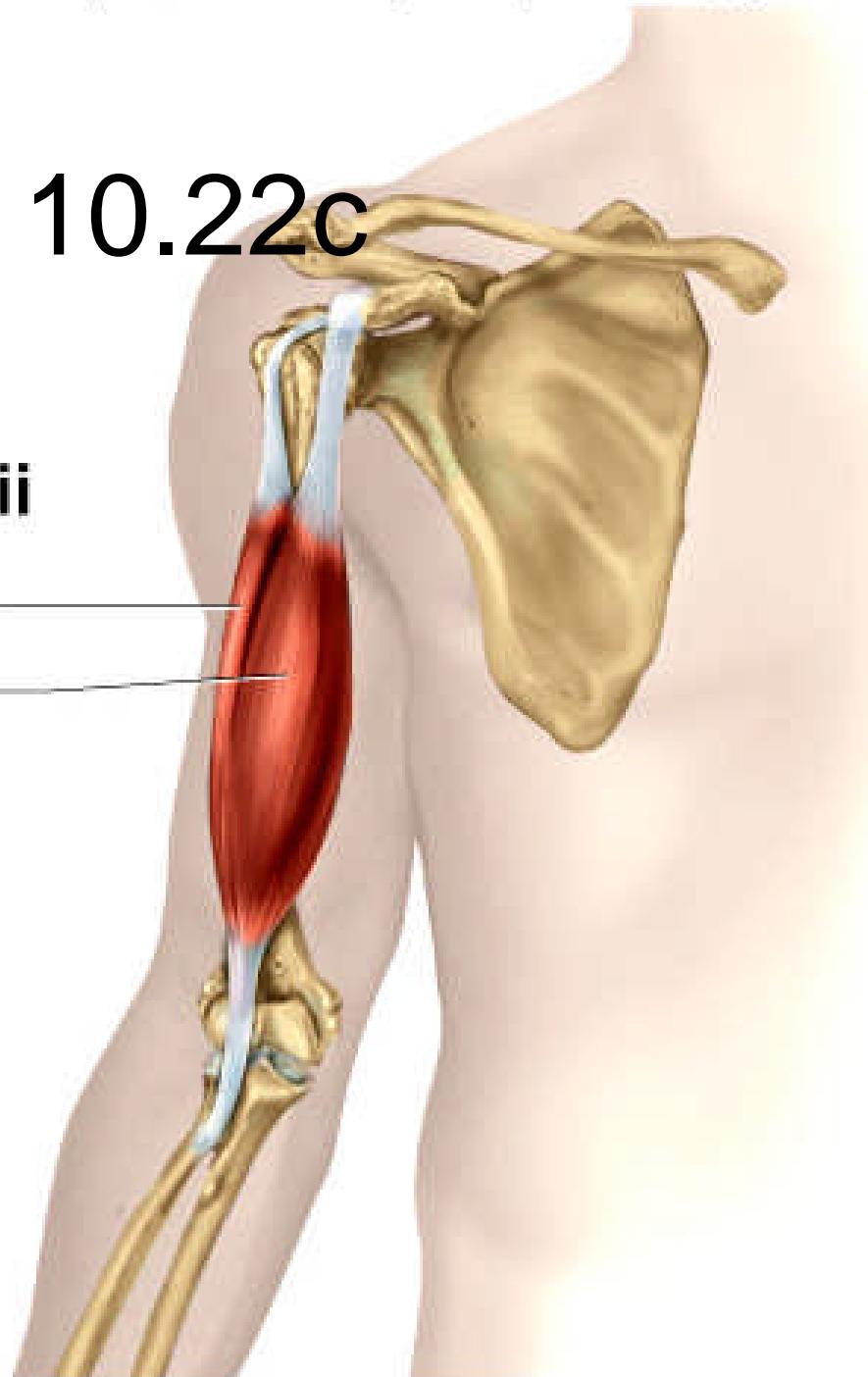


Fig. 10.22c

Biceps brachii
Long head
Short head

(c)



Muscles Crossing the Shoulder

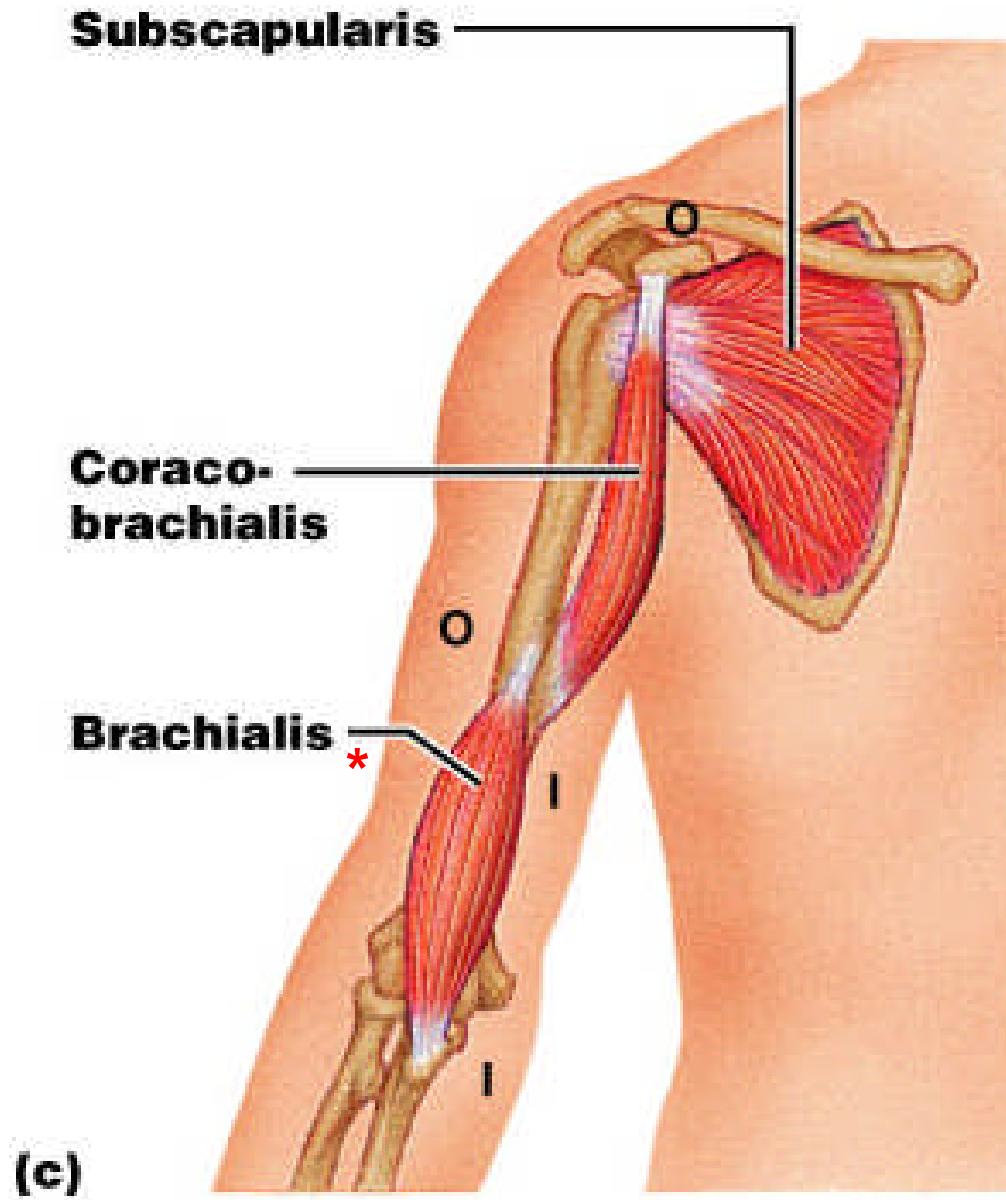
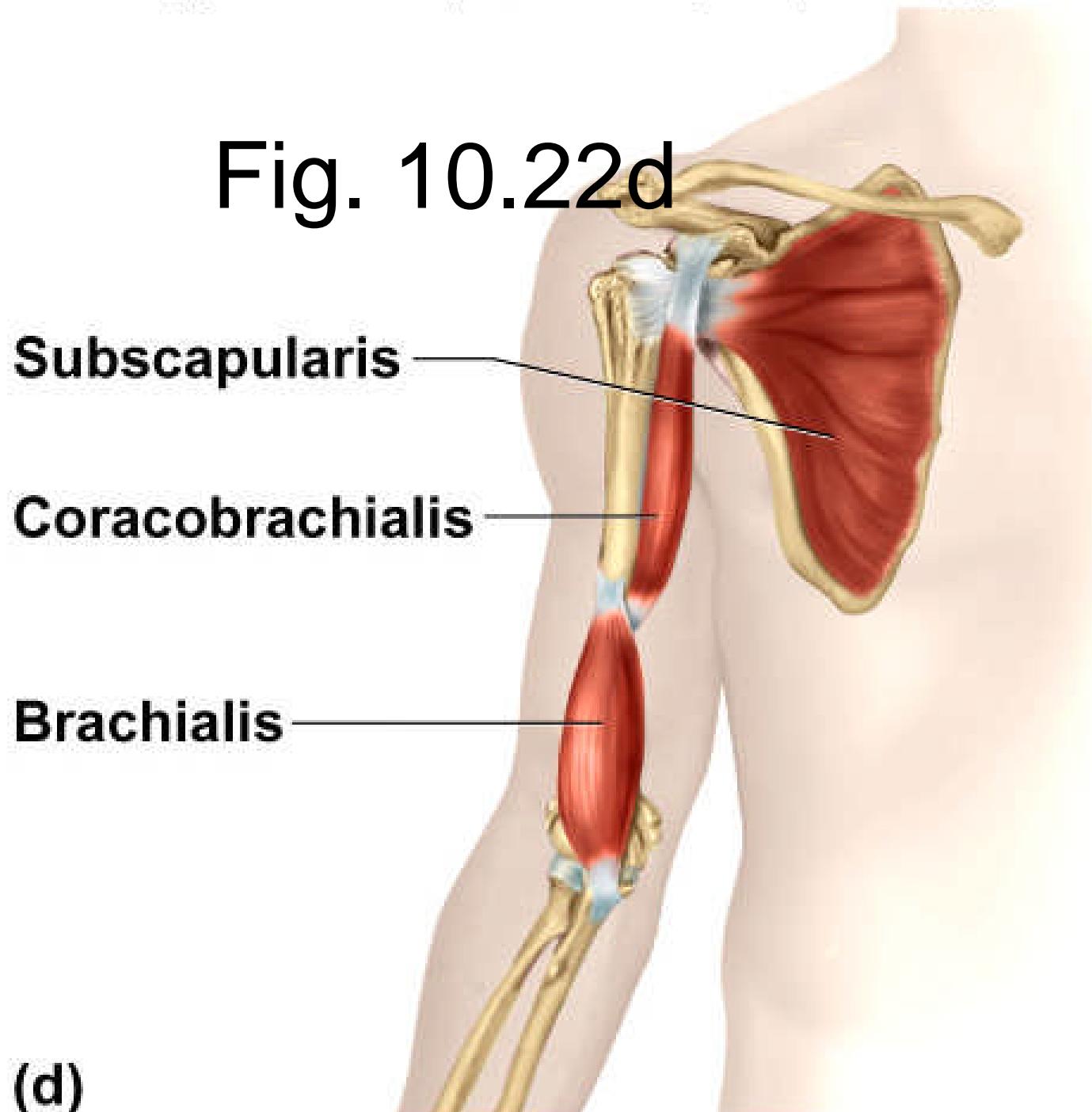
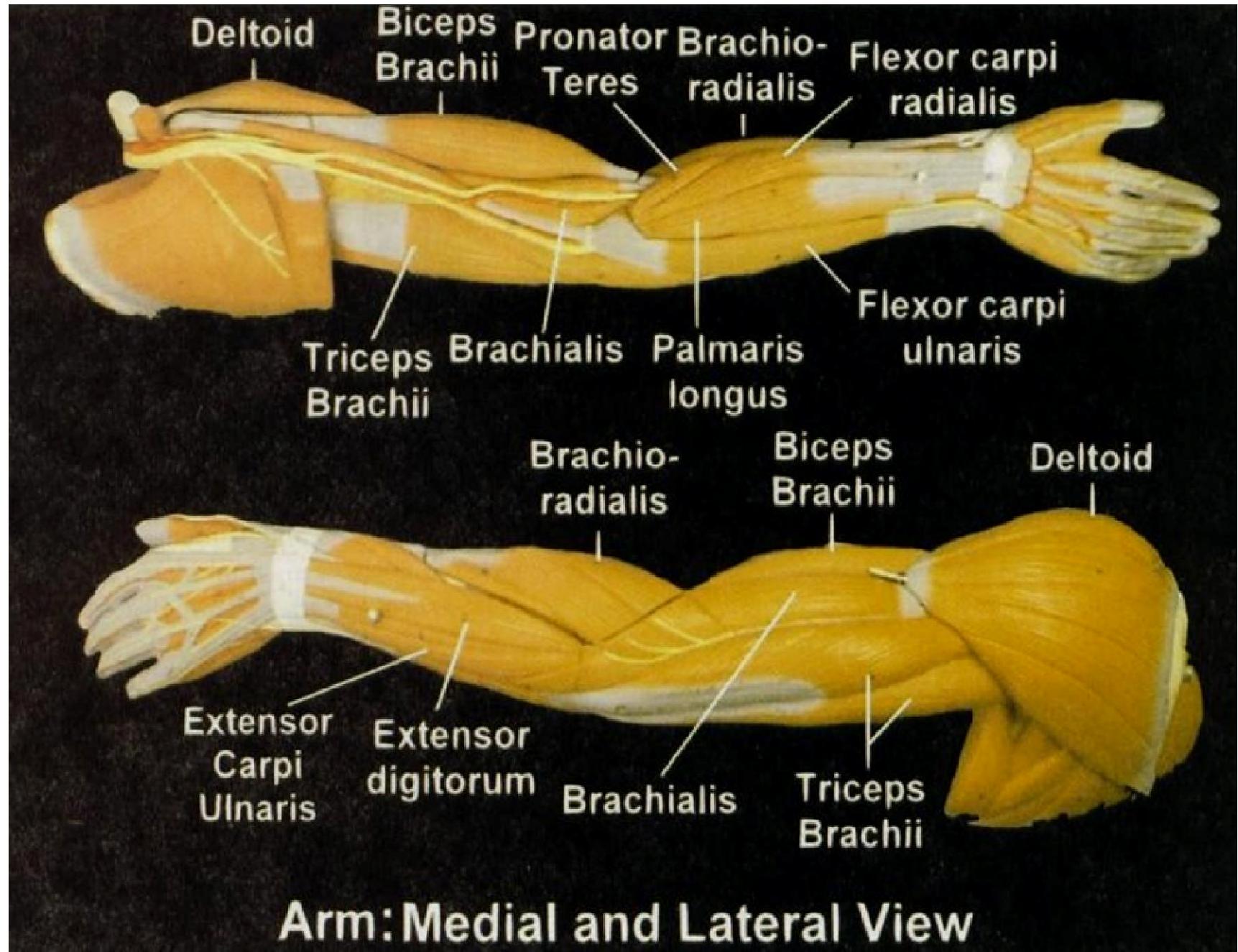


Figure 10.14c

Fig. 10.22d





MUSCLES OF THE FOREARM: ANTERIOR

These muscles are primarily flexors of the wrist and fingers

Components

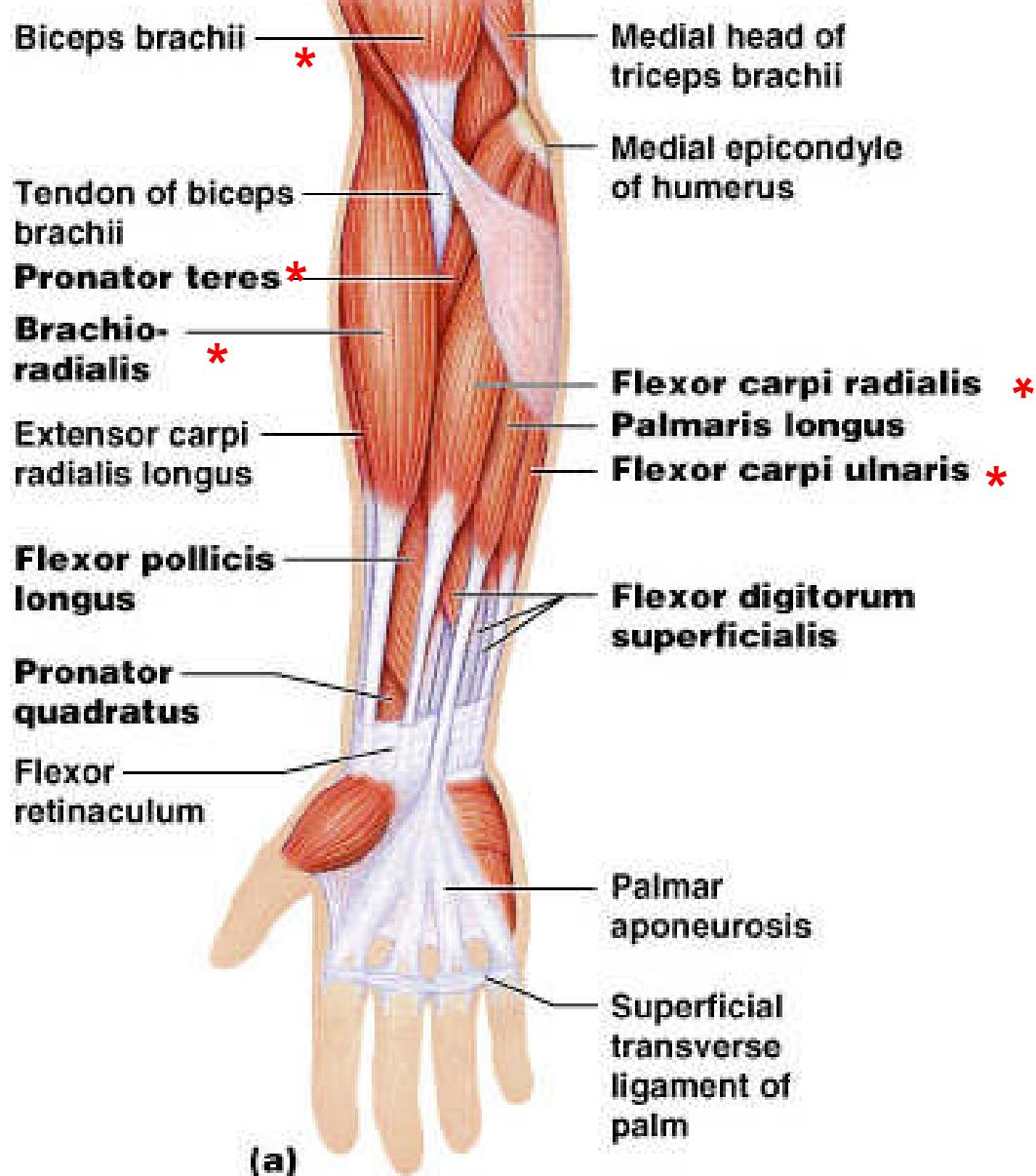
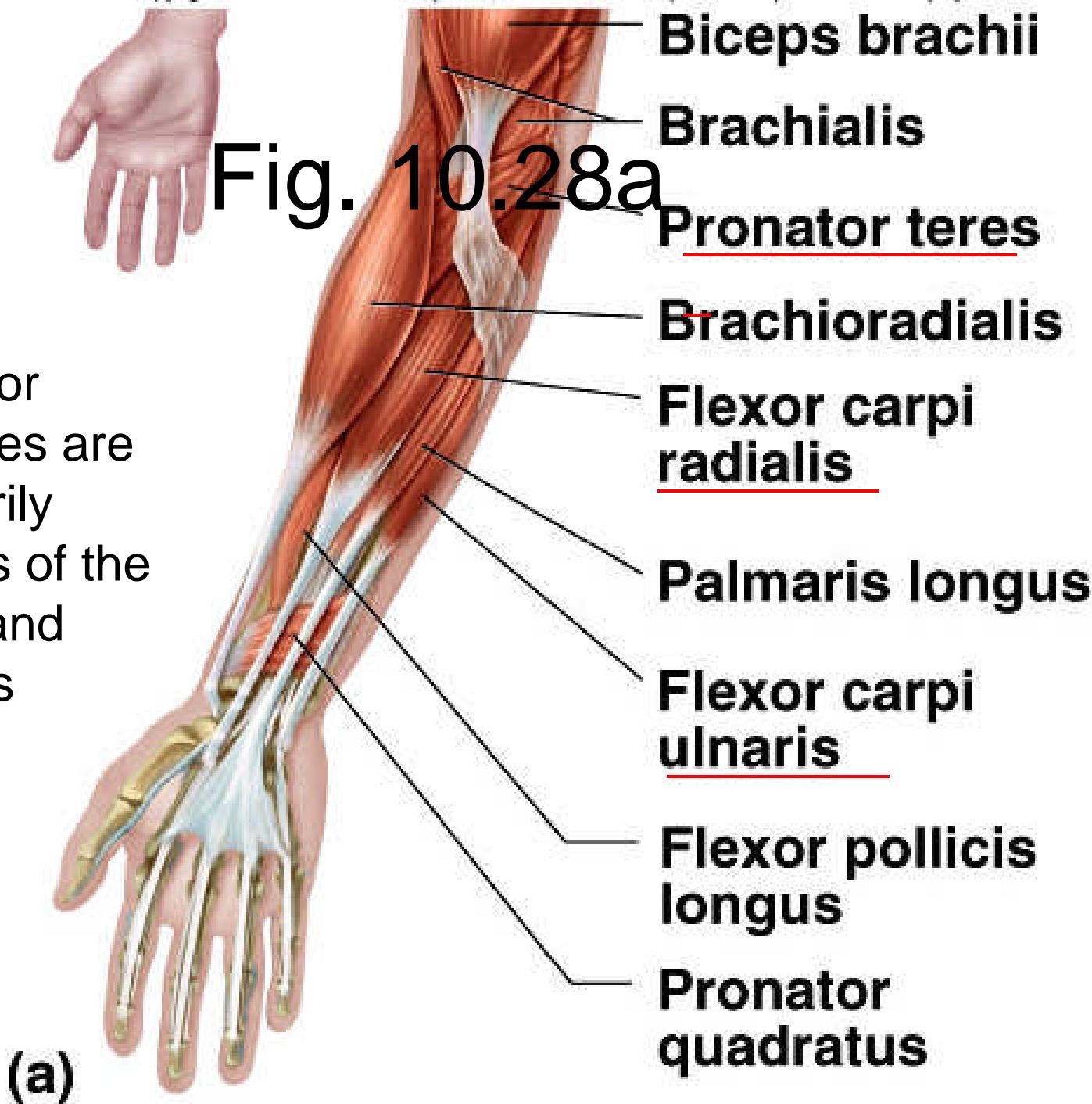


Figure 10.15a



MUSCLES OF THE FOREARM: POSTERIOR COMPARTMENT

These muscles are primarily **extensors** of the wrist and fingers

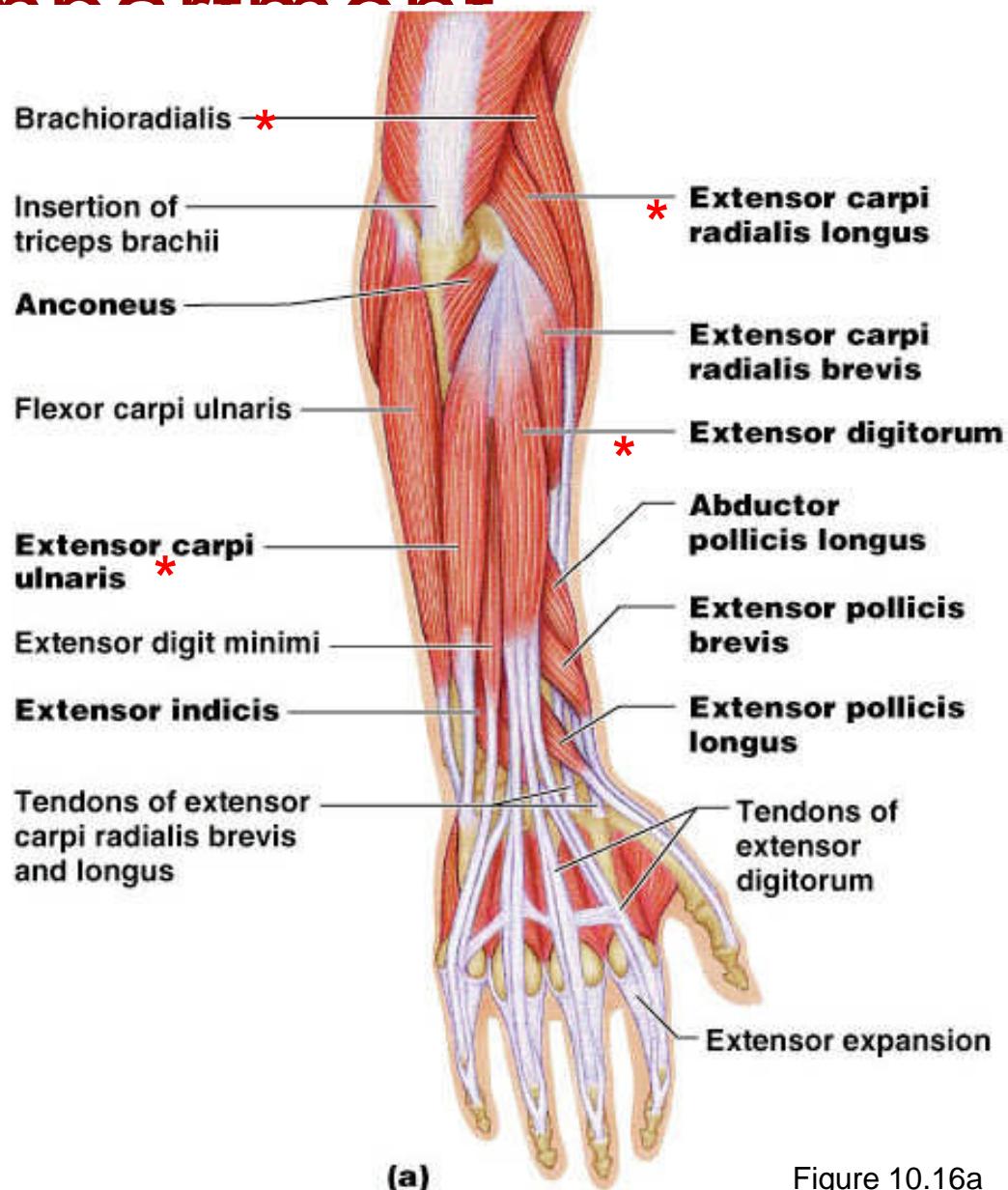


Figure 10.16a



Posterior

Fig. 10.28d

**Triceps
brachii**

Anconeus

**Flexor carpi
ulnaris**

**Extensor carpi
ulnaris**

**Extensor digiti
minimi**

**Tendons of
extensor
digitorum**



(d)

Brachioradialis
**Extensor carpi
radialis longus**

**Extensor carpi
radialis brevis**

**Extensor
digitorum**

**Abductor
pollicis longus**

**Extensor
pollicis brevis**

**Extensor pollicis
longus**

**Tendons of extensor
carpi radialis longus
and brevis**

MUSCLES OF THE FOREARM: POSTERIOR COMPARTMENT

These muscles are primarily **extensors** of the wrist and fingers

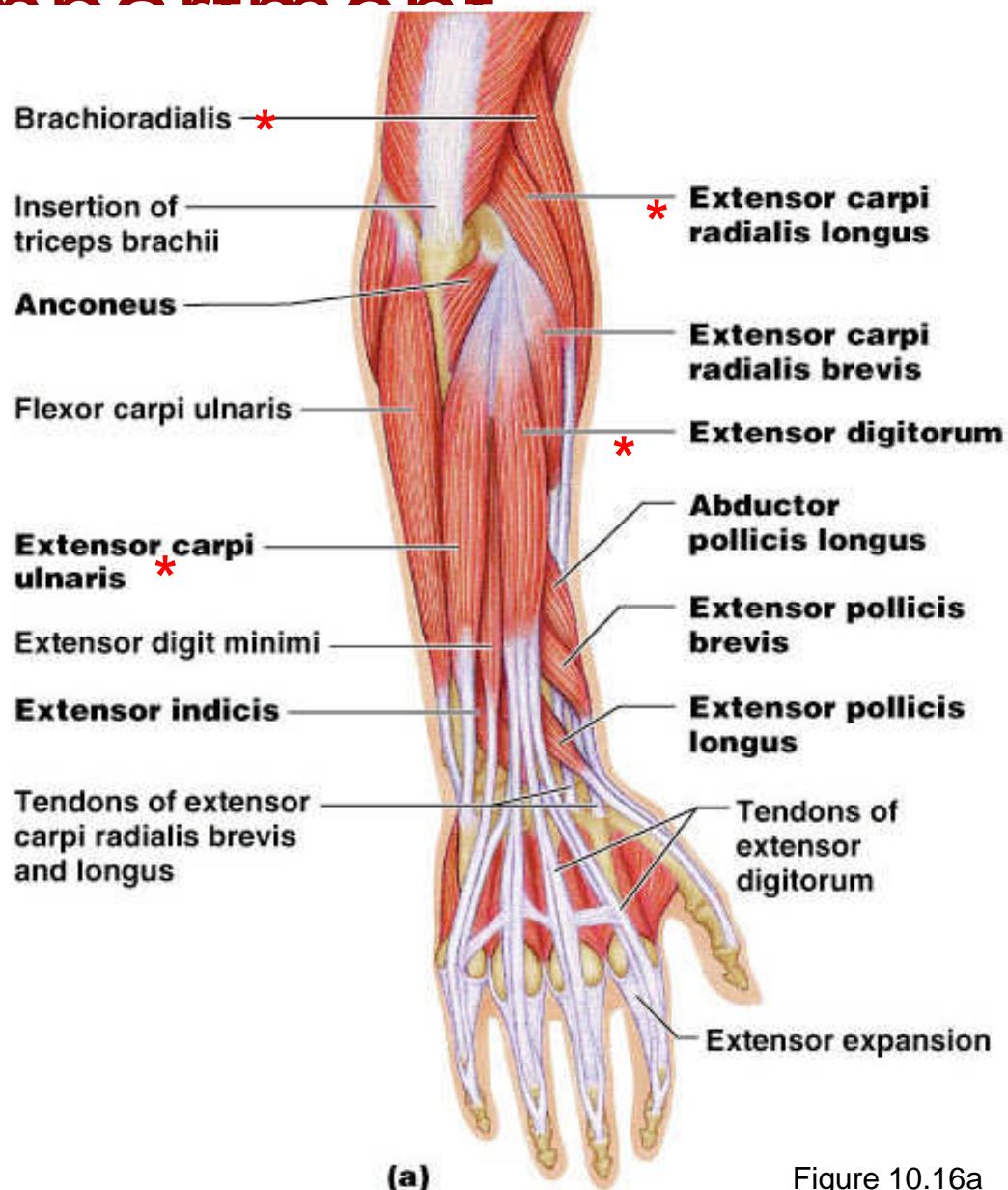
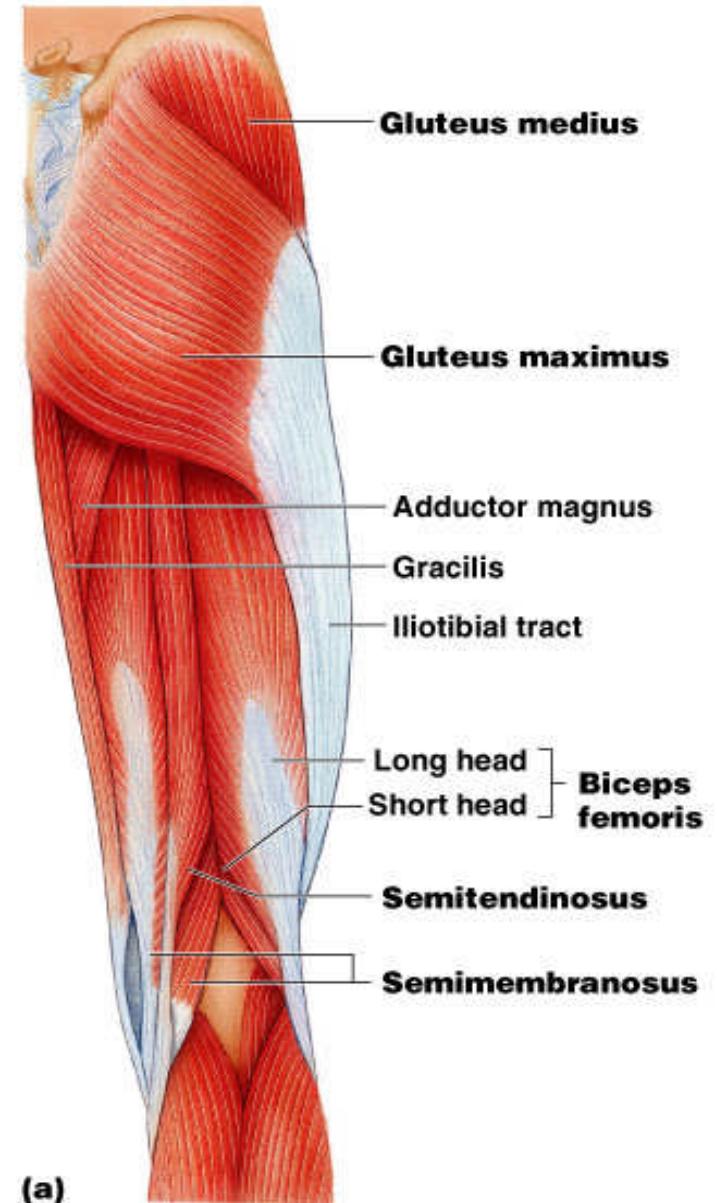


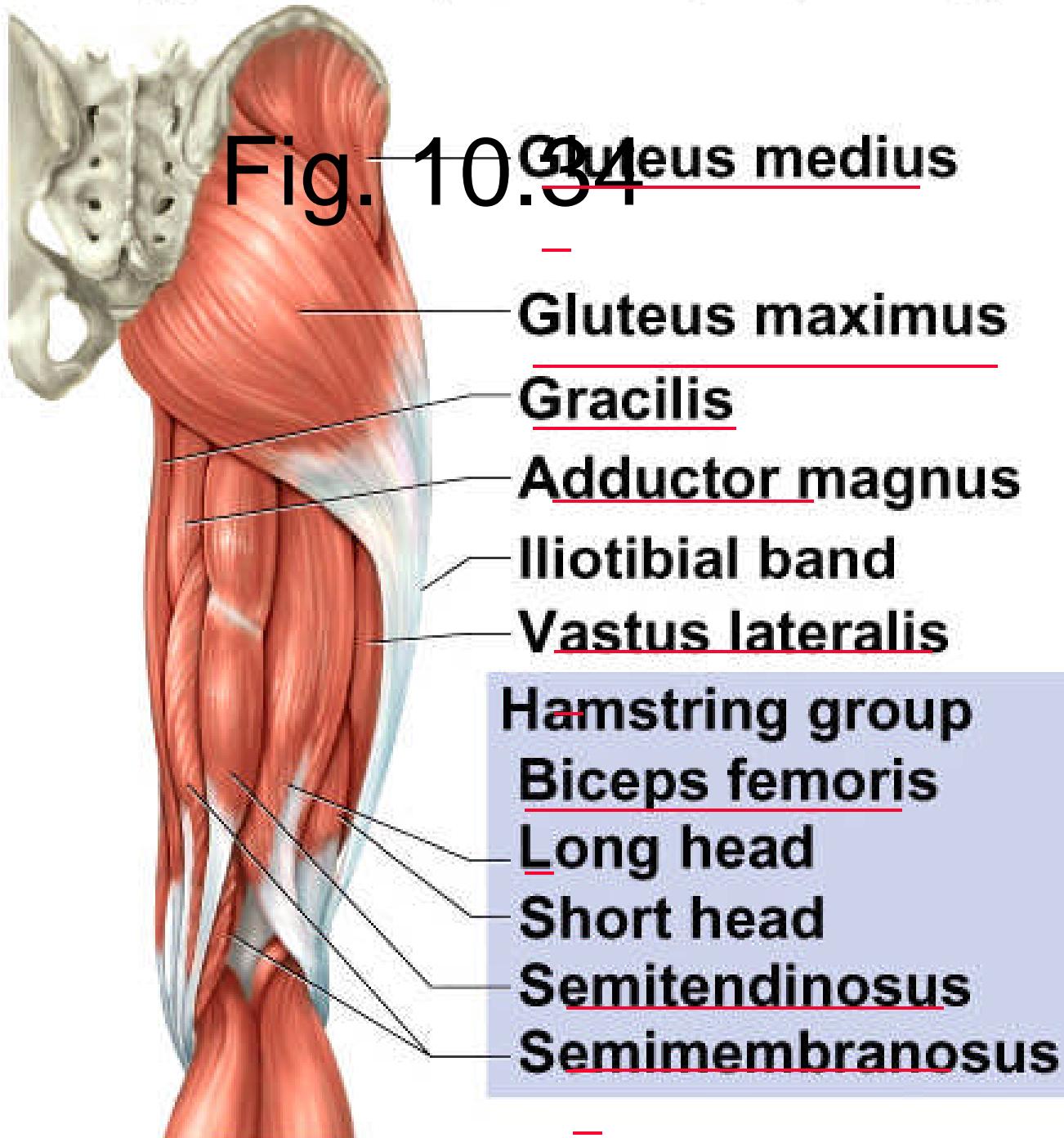
Figure 10.16a

Posterior



(a)

Fig. 10.34



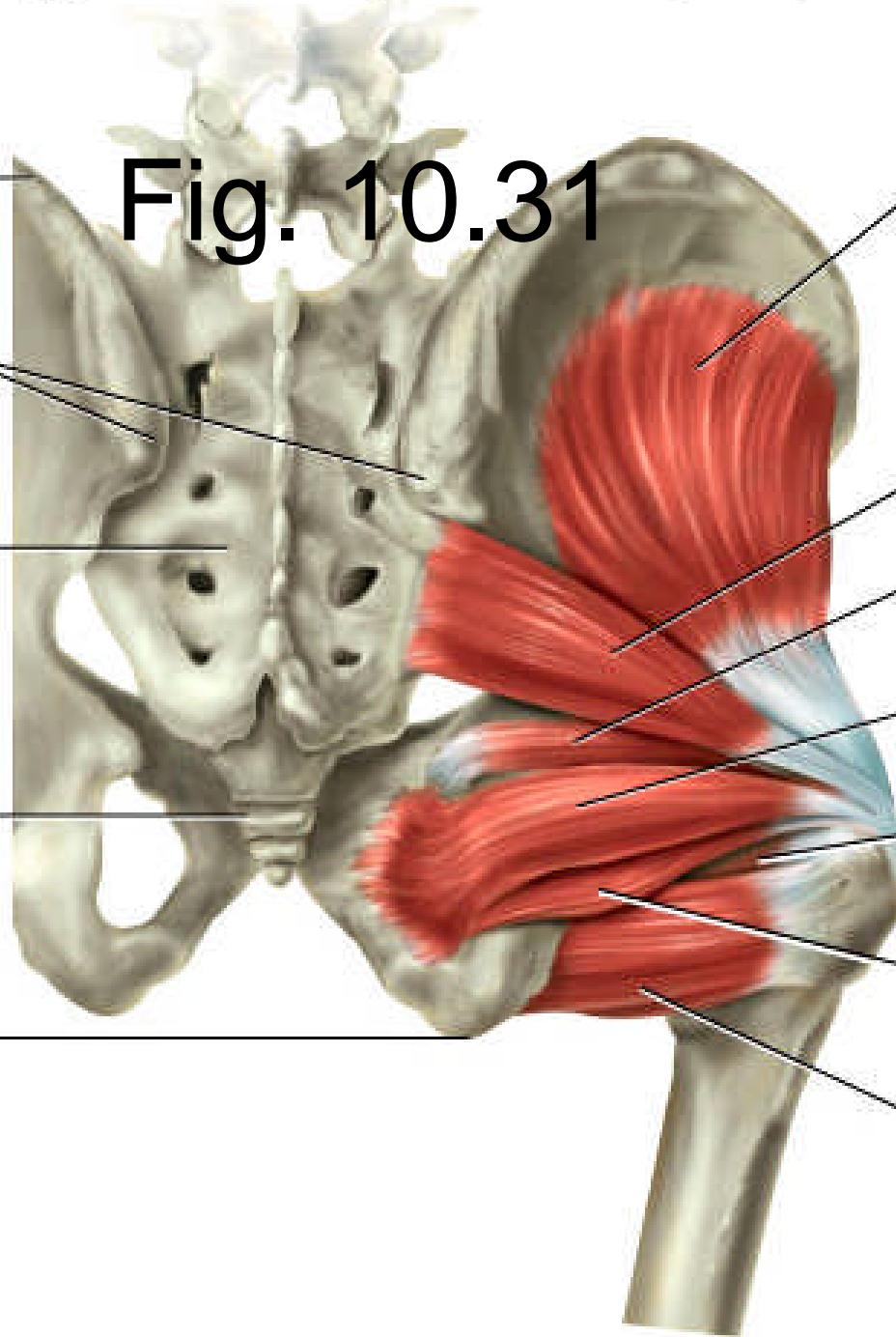
Iliac crest

Posterior
superior
iliac spine
Sacrum

Coccyx

Ischial
tuberosity

Fig. 10.31



Gluteus
minimus

Lateral
rotators

Piriformis

Gemellus
superior

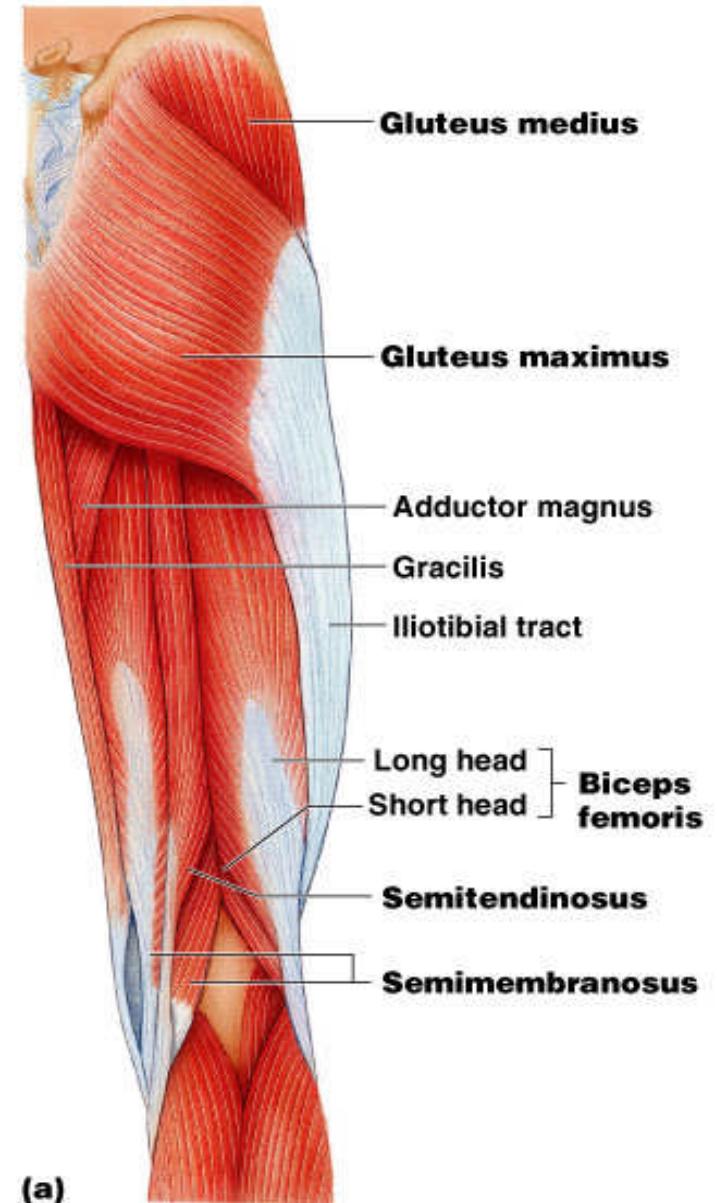
Obturator
internus

Obturator
externus

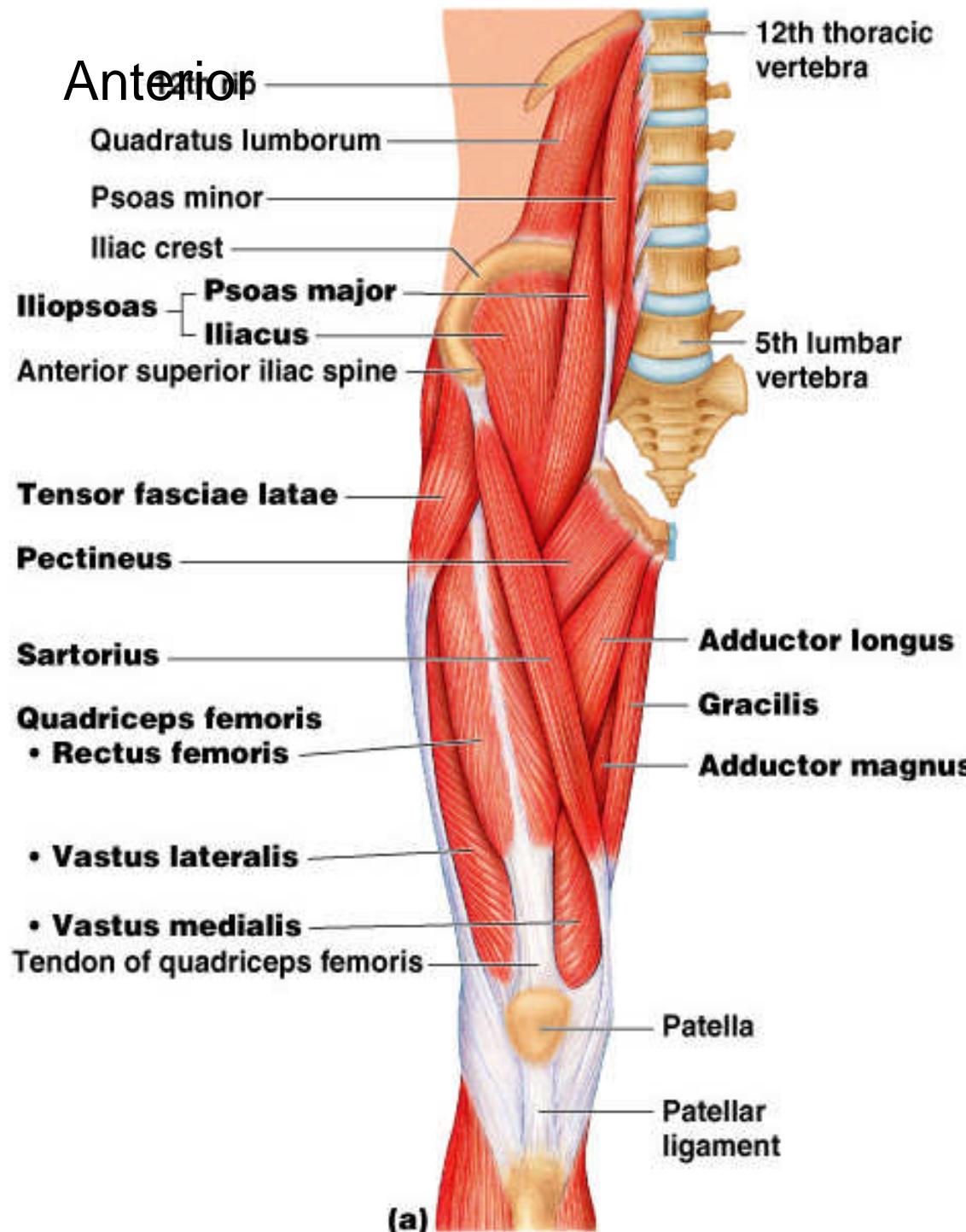
Gemellus
inferior

Quadratus
femoris

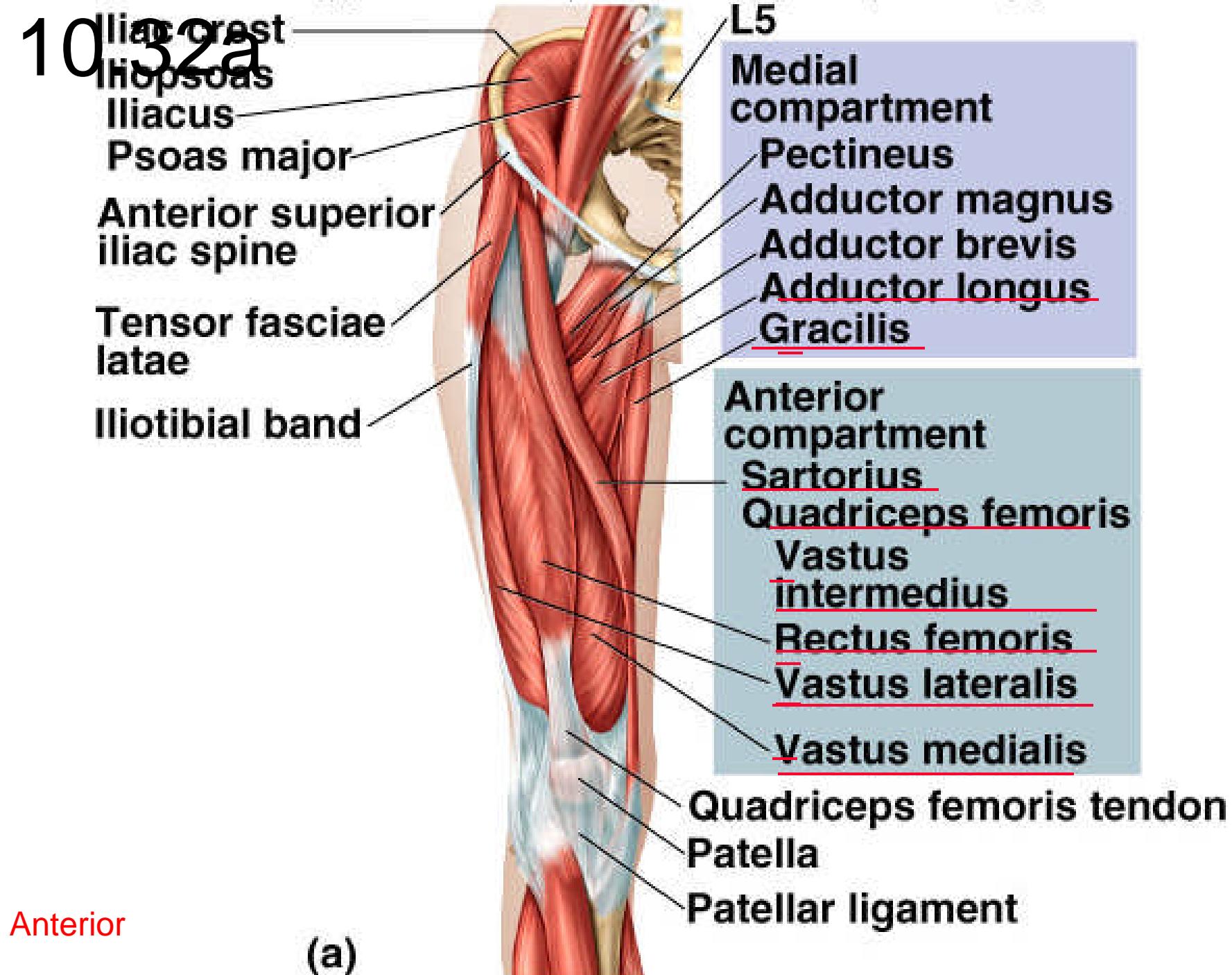
Posterior



(a)



1032a



Movements of the Knee Joint

- The sole extensor of the knee is the quadriceps femoris
- The hamstring muscles flex the knee, and are antagonists to the quadriceps femoris

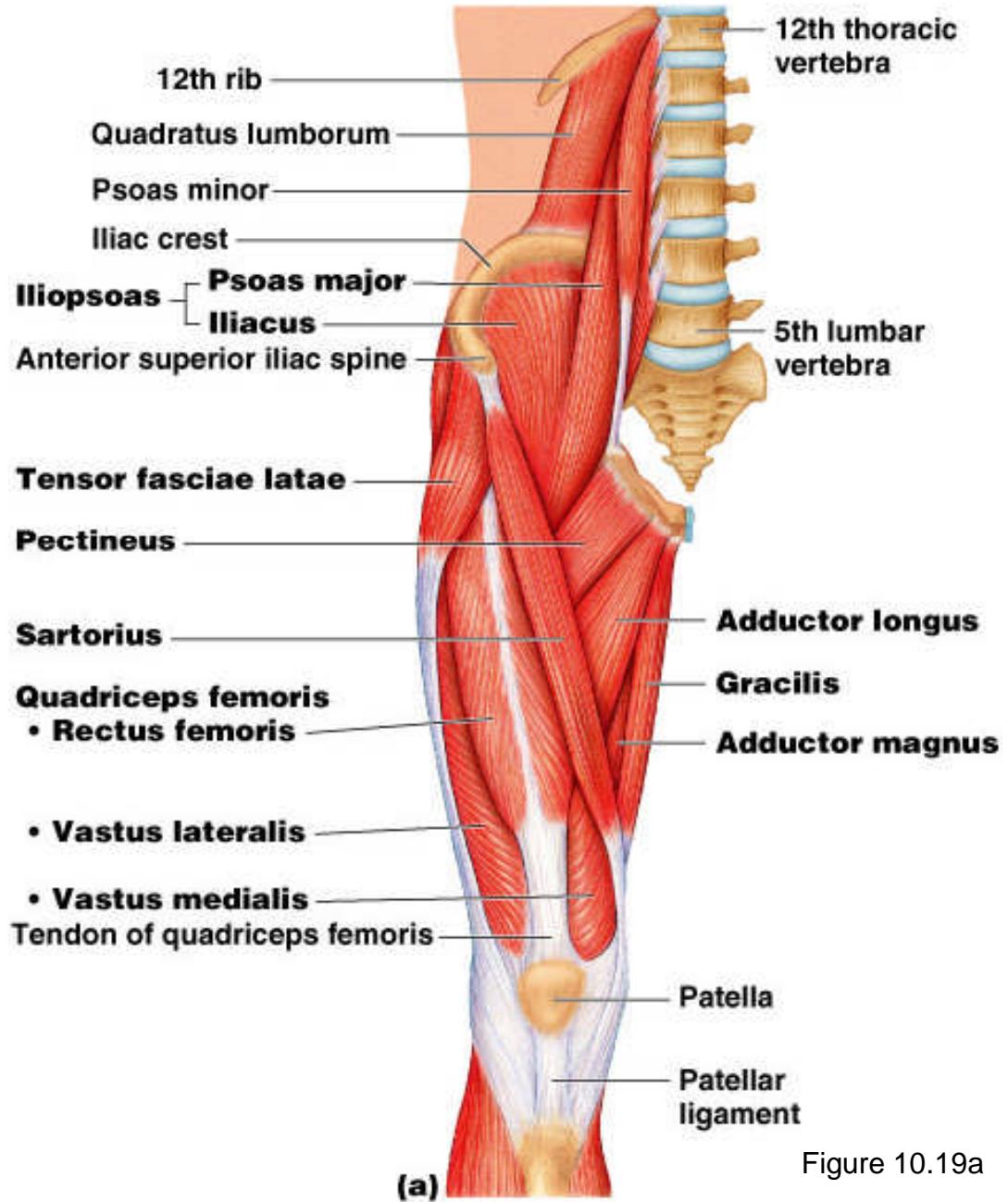


Figure 10.19a

MUSCLES OF THE POSTERIOR COMPARTMENT

- These muscles primarily plantar flex the foot and flex the toes
- They include the gastrocnemius, soleus, tibialis posterior, flexor digitorum longus

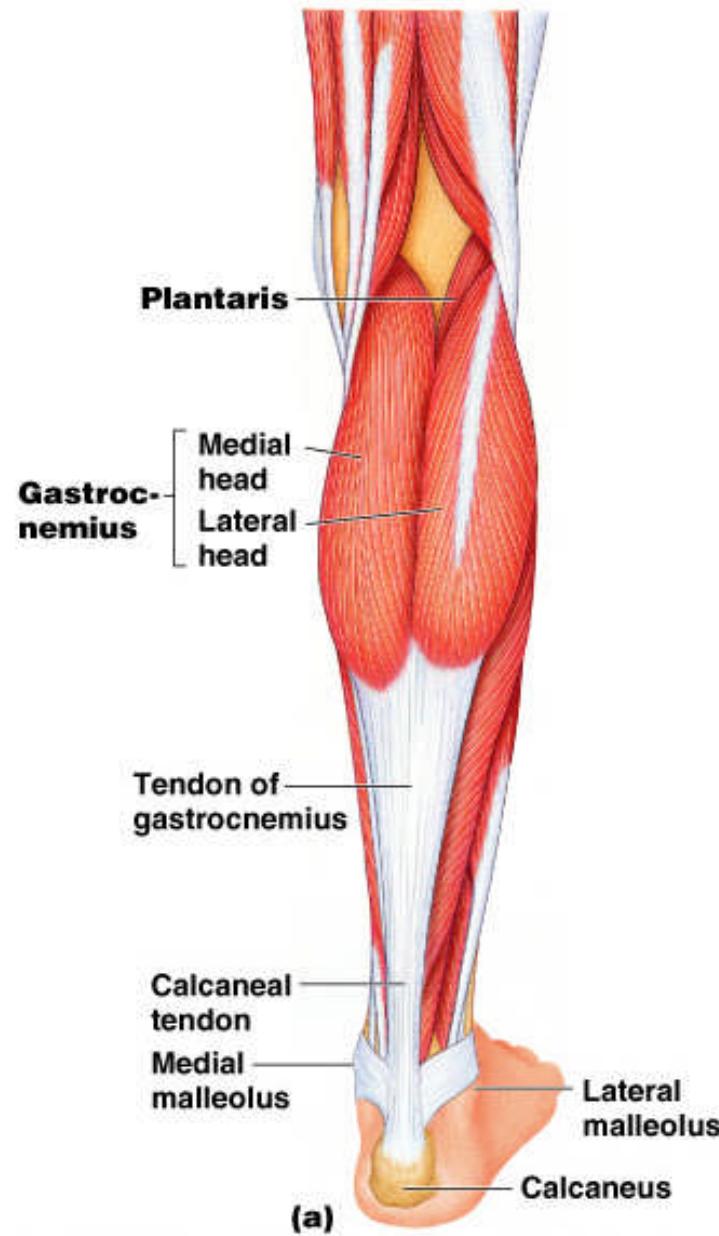


Figure 10.23a

Fig. 10.37a

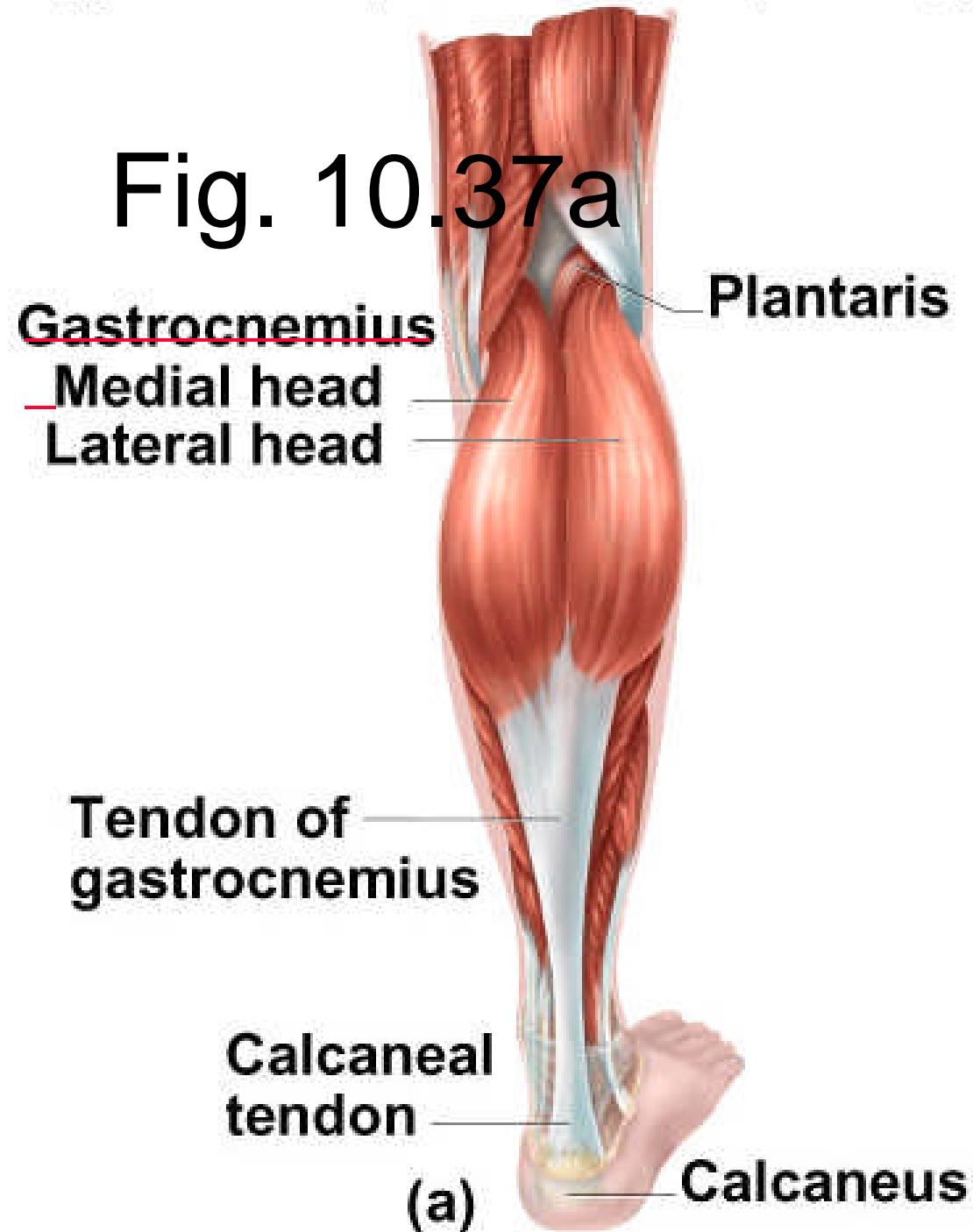


Fig. 10.37b

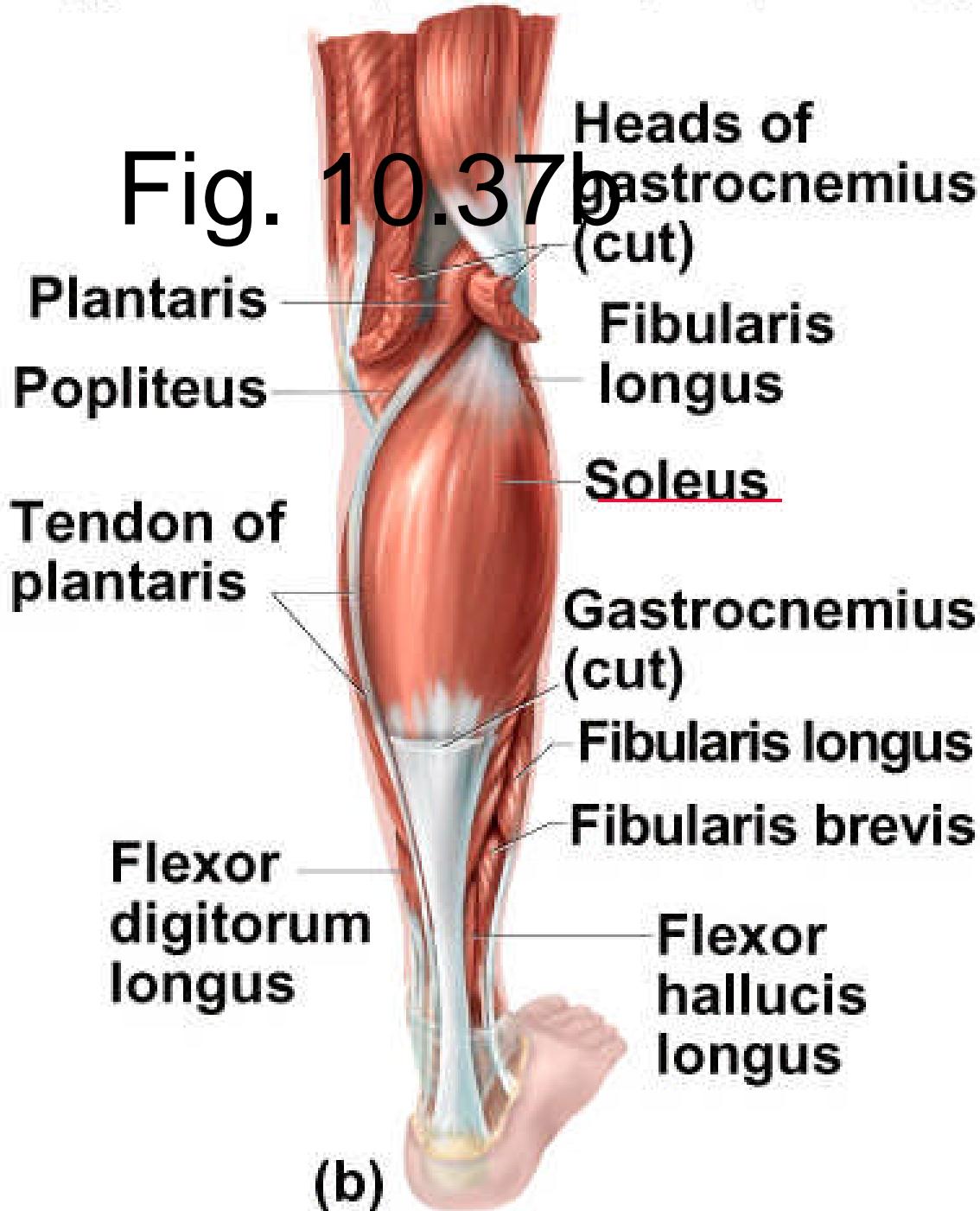
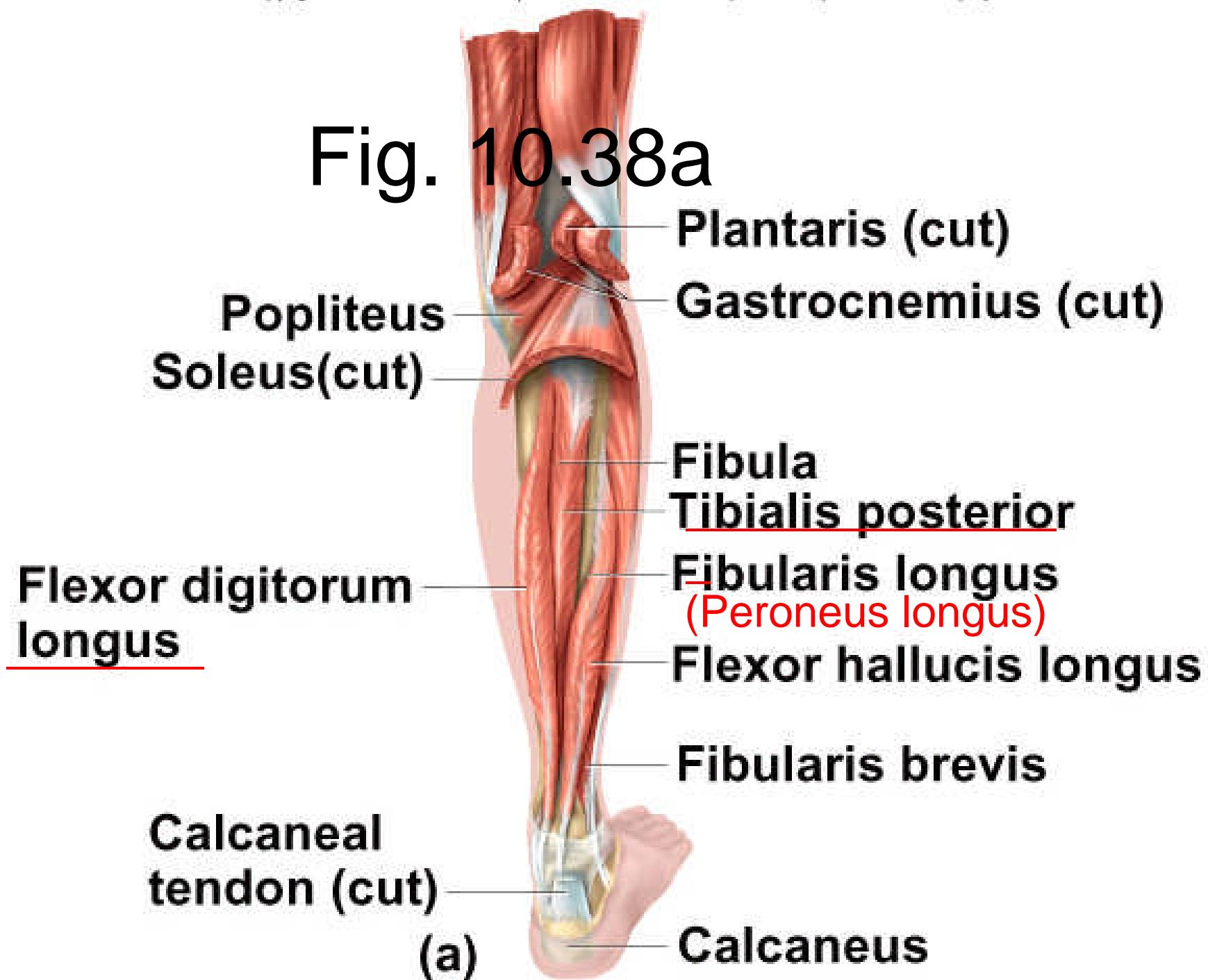


Fig. 10.38a



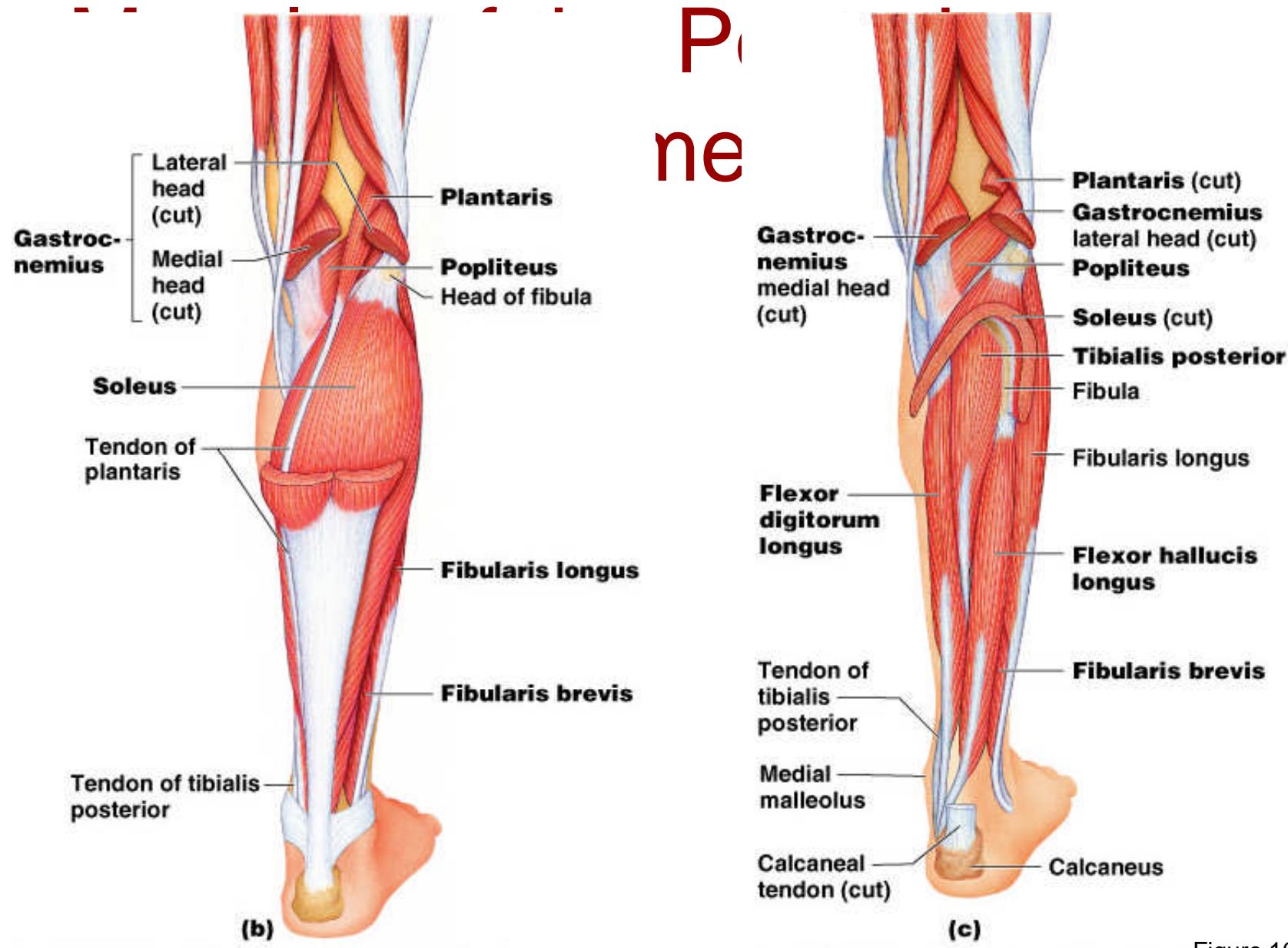


Figure 10.23b,
c

MUSCLES OF THE ANTERIOR COMPARTMENT

- These muscles are the primary toe extensors and ankle dorsiflexors
- They include the tibialis anterior, extensor digitorum longus

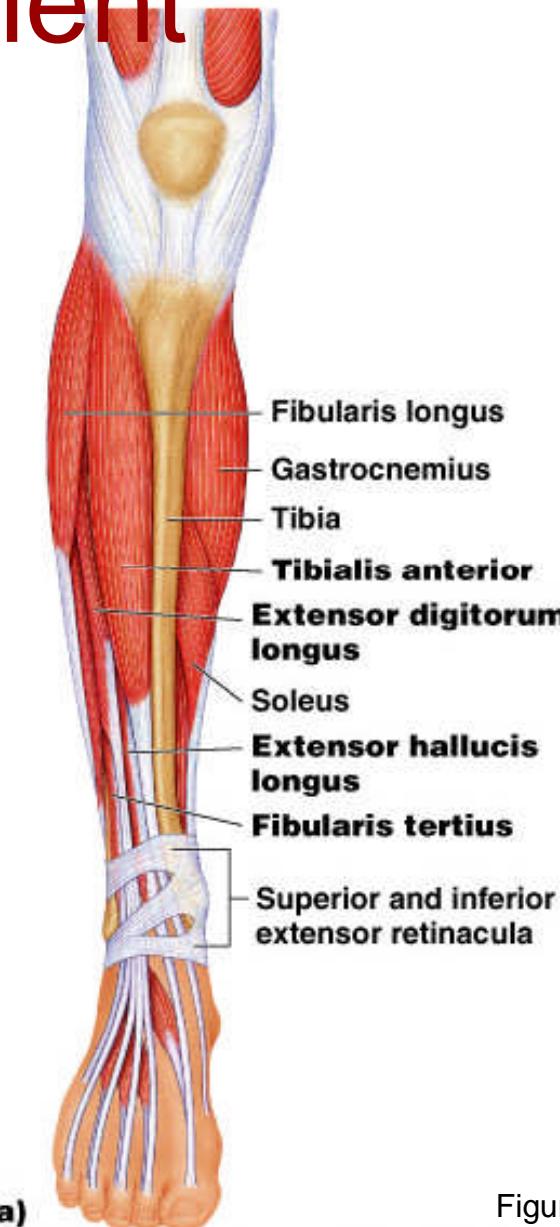
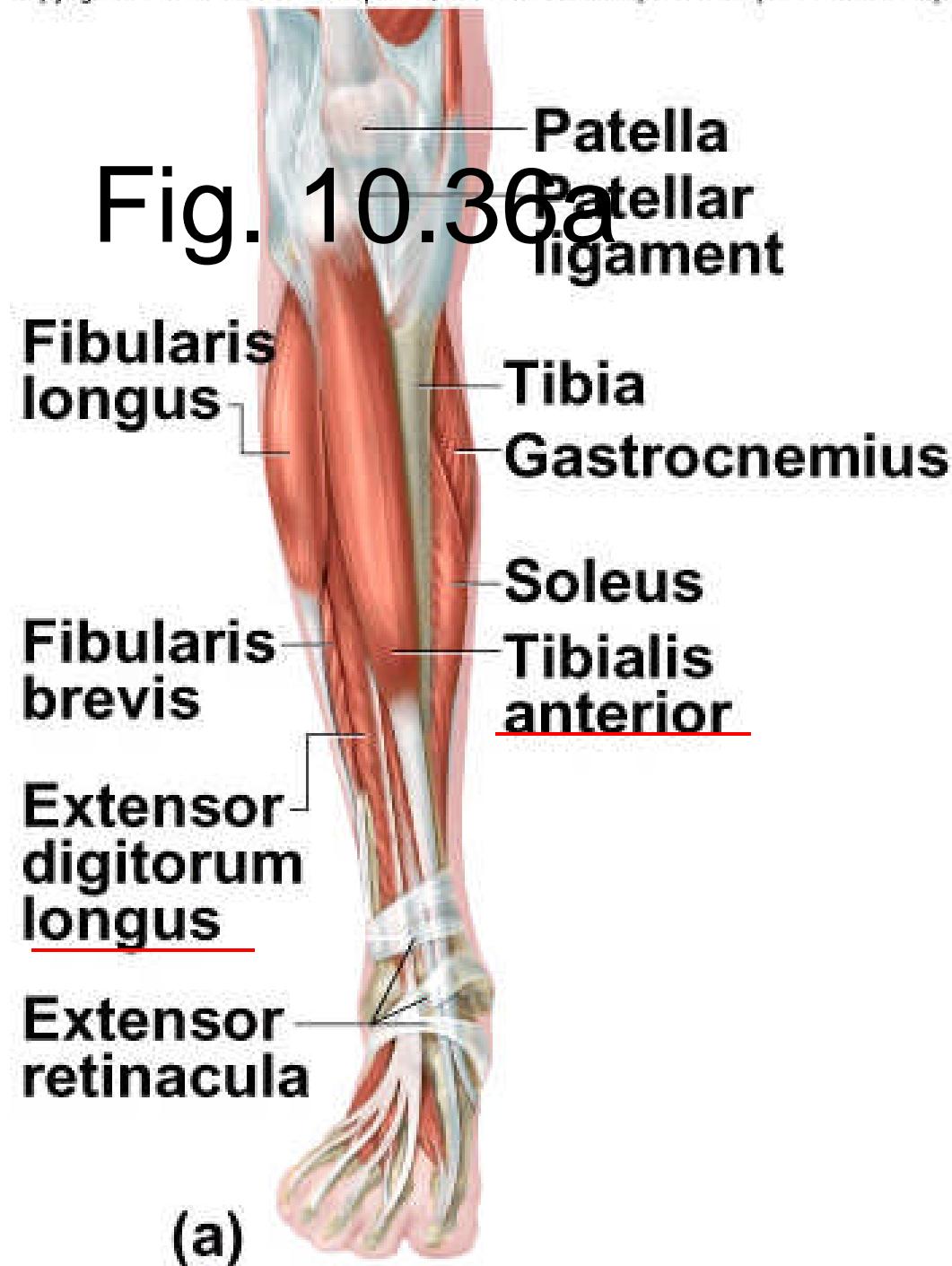


Figure 10.21a

Fig. 10.36a



Mus

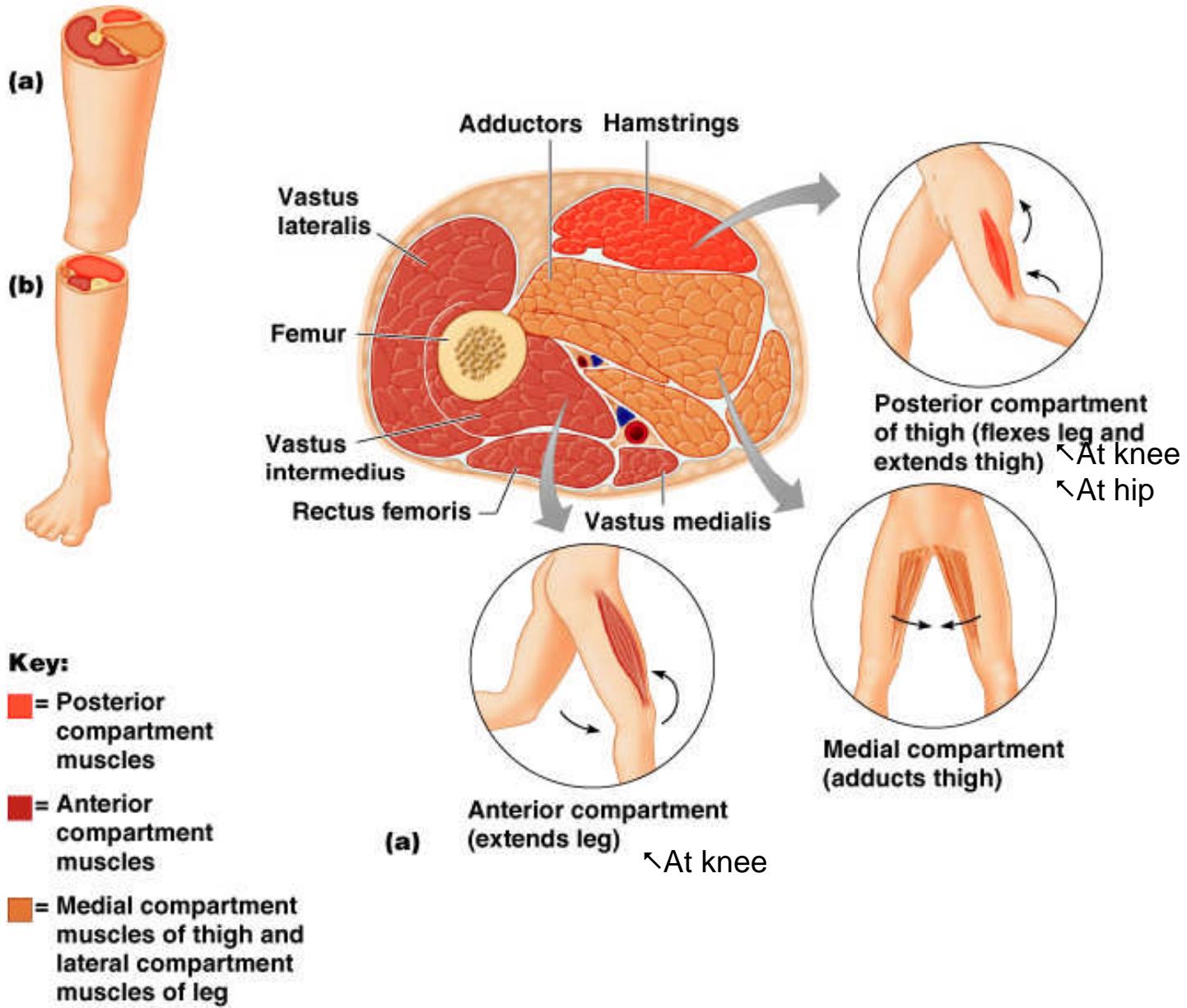


Figure 10.24a

Mu

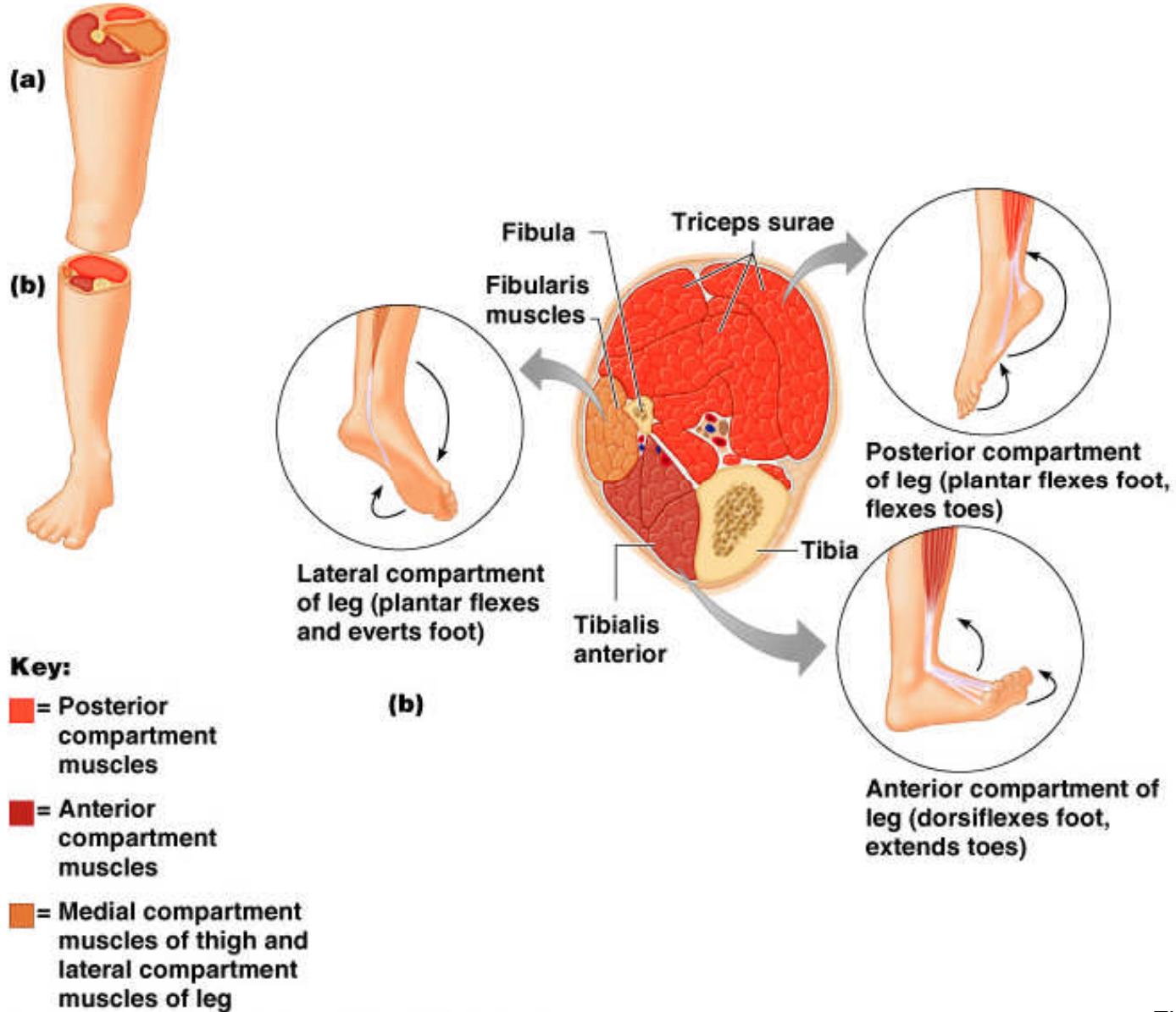


Figure 10.24b

