

deceased.

January 23, 2005.

dissection as an educational model.

Appendicular muscular system

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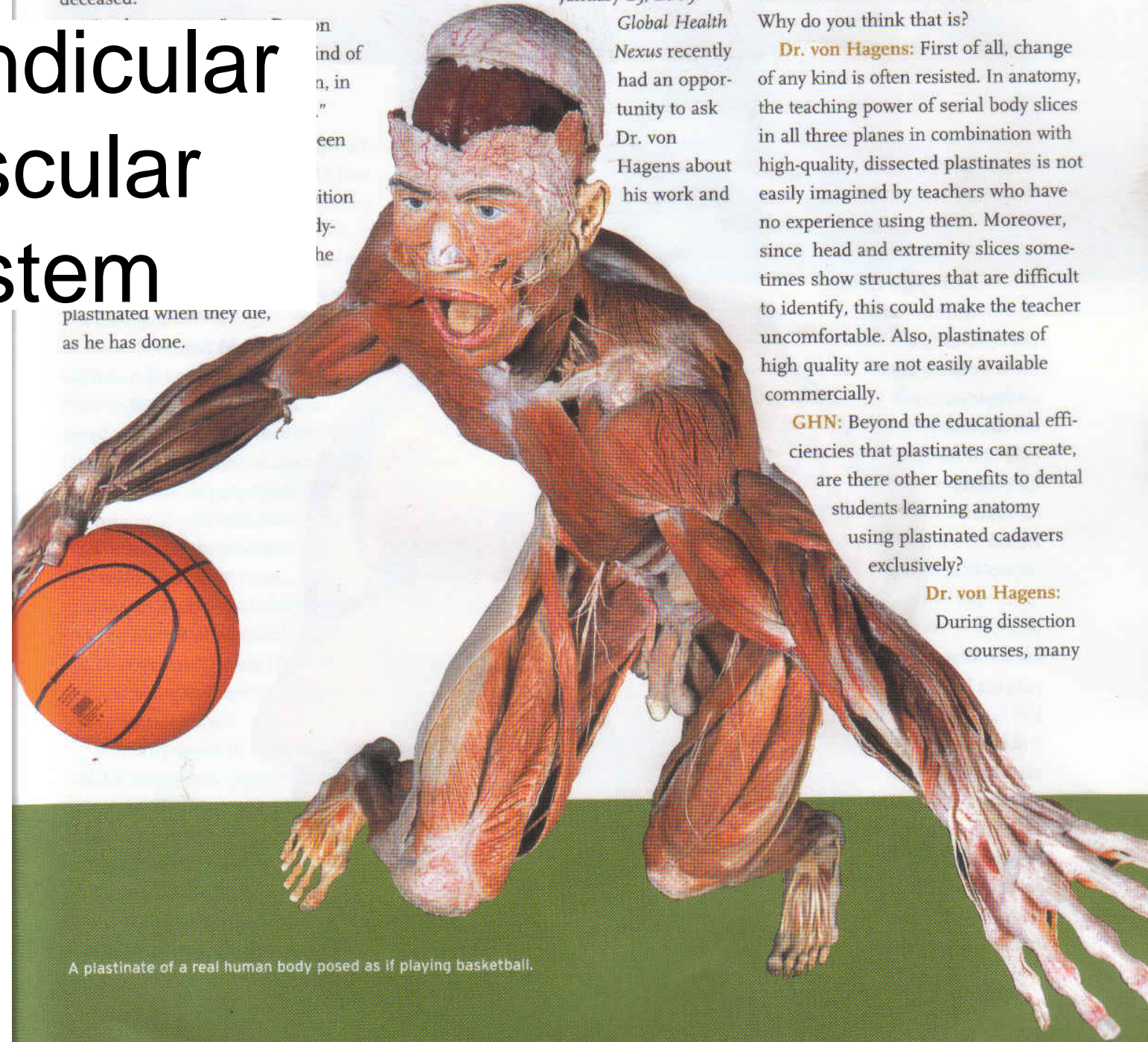
plastinated when they are,
as he has done.

Global Health Nexus recently had an opportunity to ask Dr. von Hagens about his work and

Why do you think that is?
Dr. von Hagens: First of all, change of any kind is often resisted. In anatomy, the teaching power of serial body slices in all three planes in combination with high-quality, dissected plastinates is not easily imagined by teachers who have no experience using them. Moreover, since head and extremity slices sometimes show structures that are difficult to identify, this could make the teacher uncomfortable. Also, plastinates of high quality are not easily available commercially.

GHN: Beyond the educational efficiencies that plastinates can create, are there other benefits to dental students learning anatomy using plastinated cadavers exclusively?

Dr. von Hagens: During dissection courses, many



A plastinate of a real human body posed as if playing basketball.

Muscles that act on the pectoral girdle

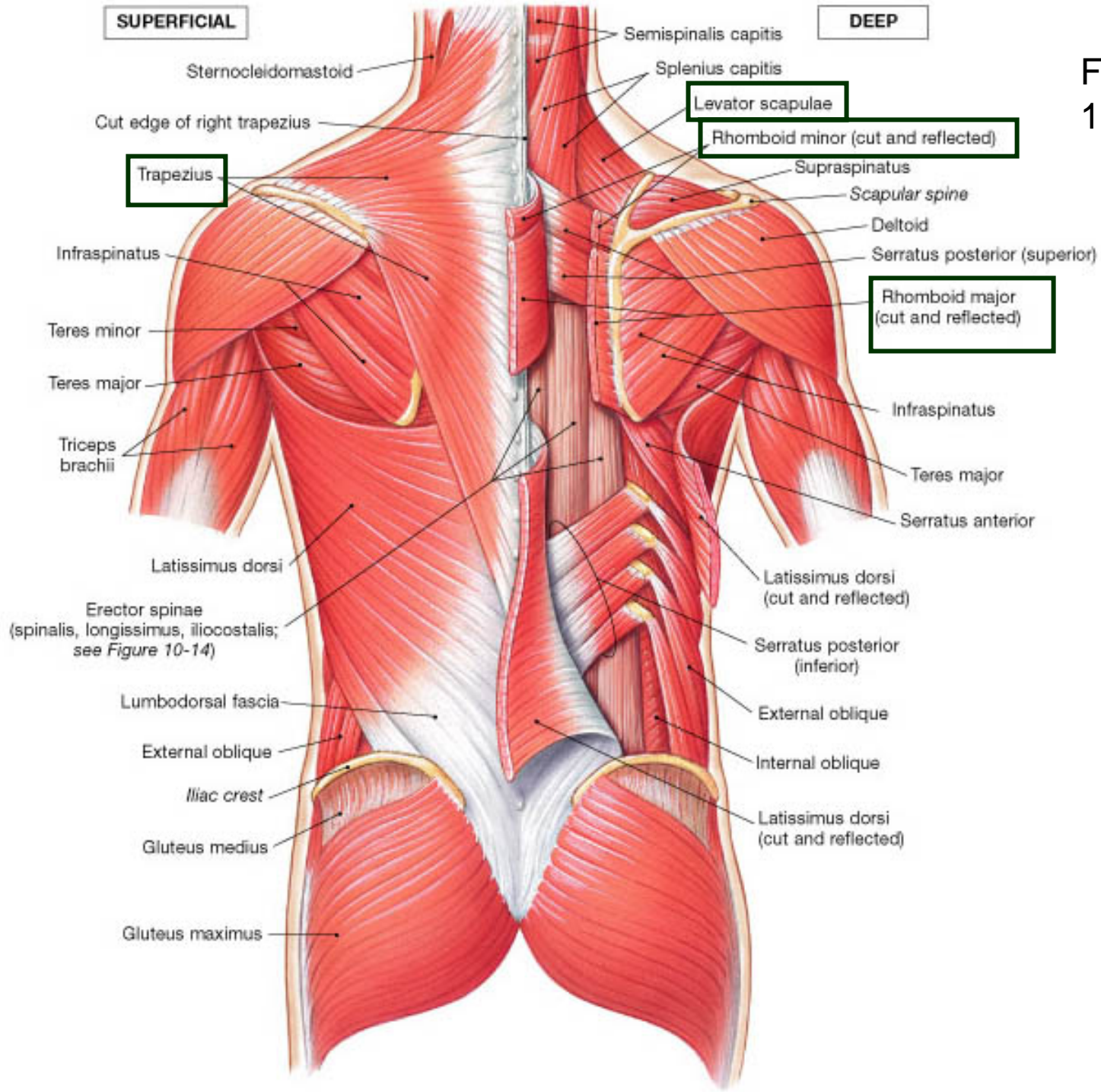


Fig
11-1

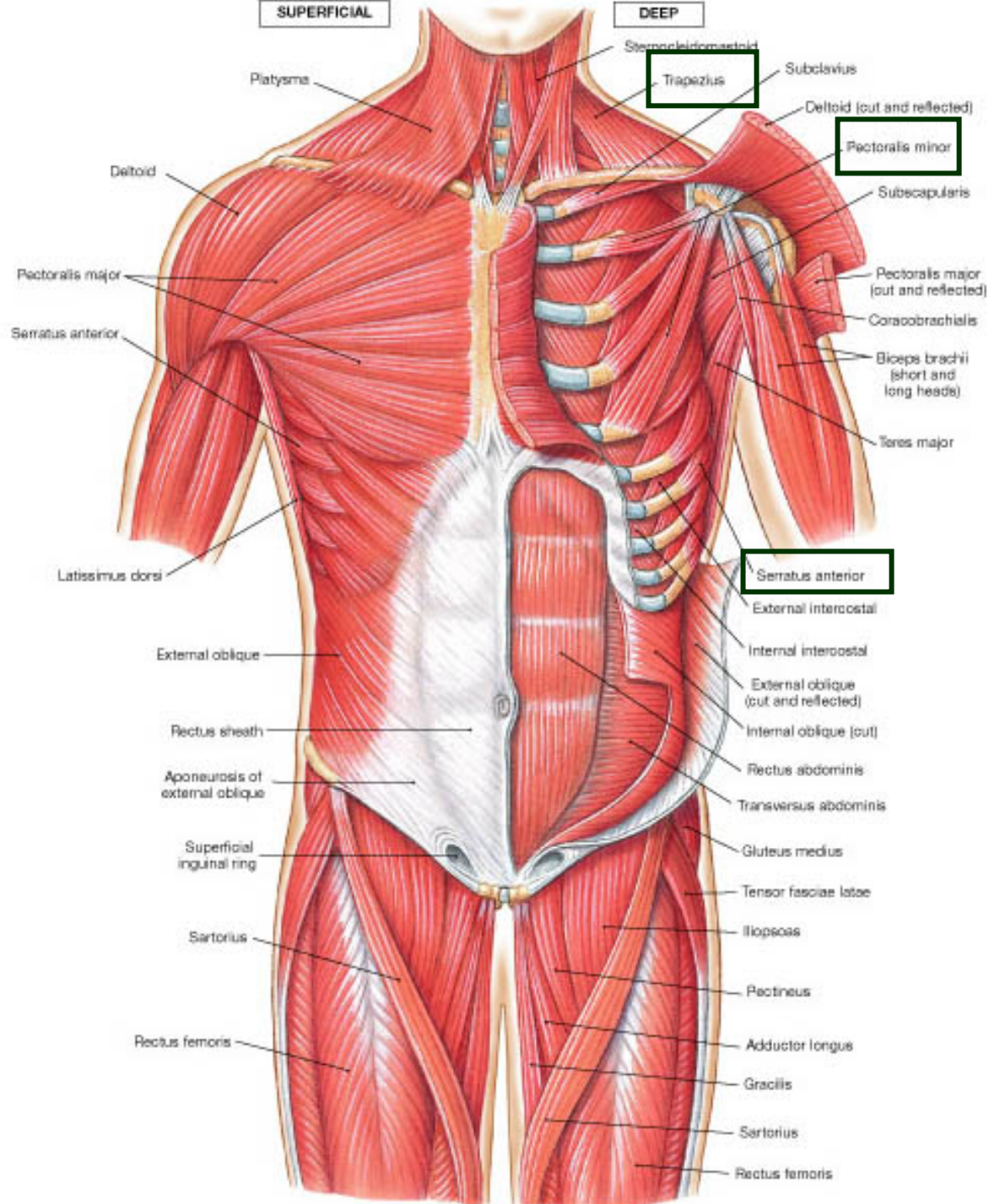


Fig
11-4

Muscles that act on the arm

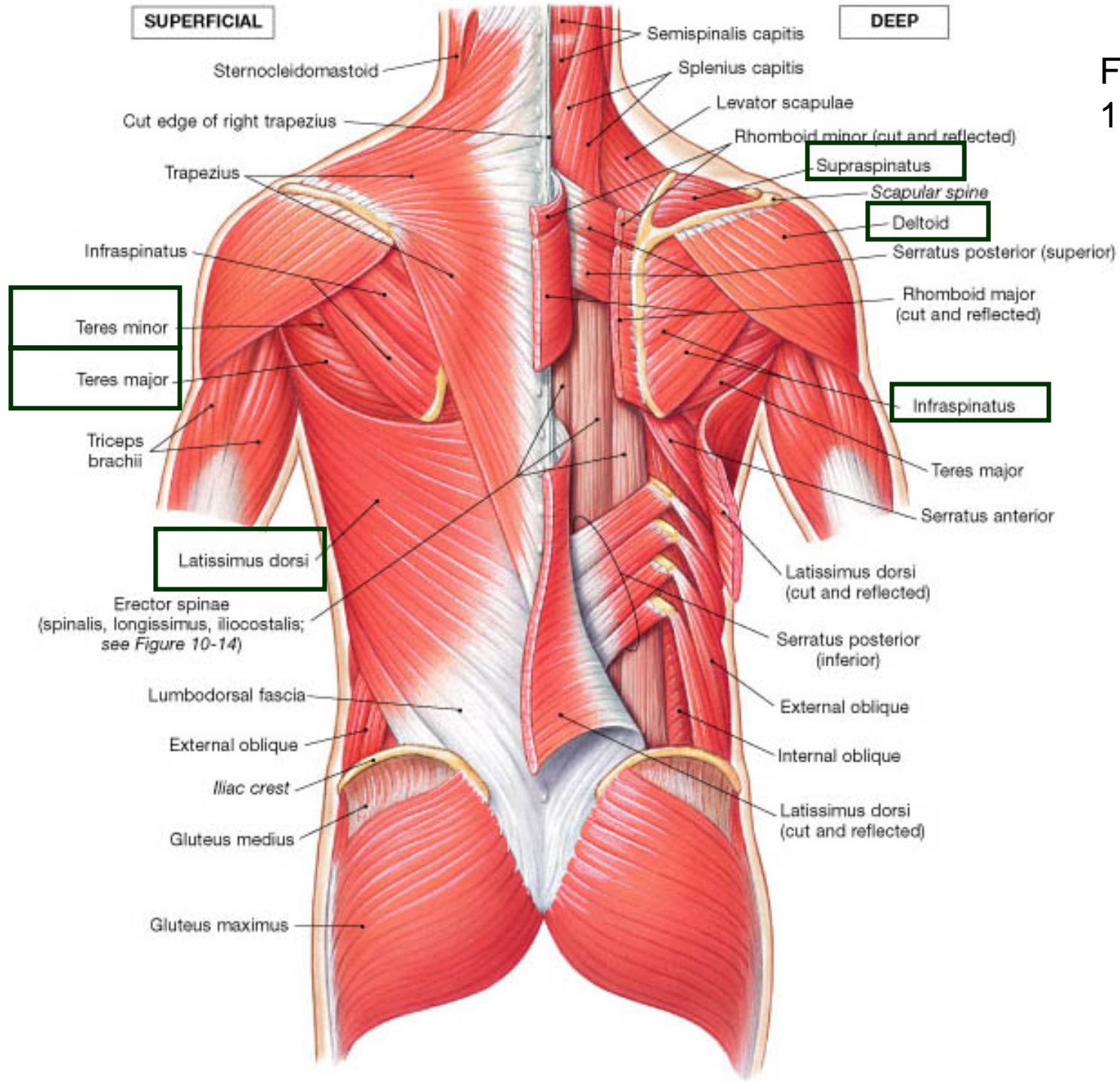


Fig
11-1

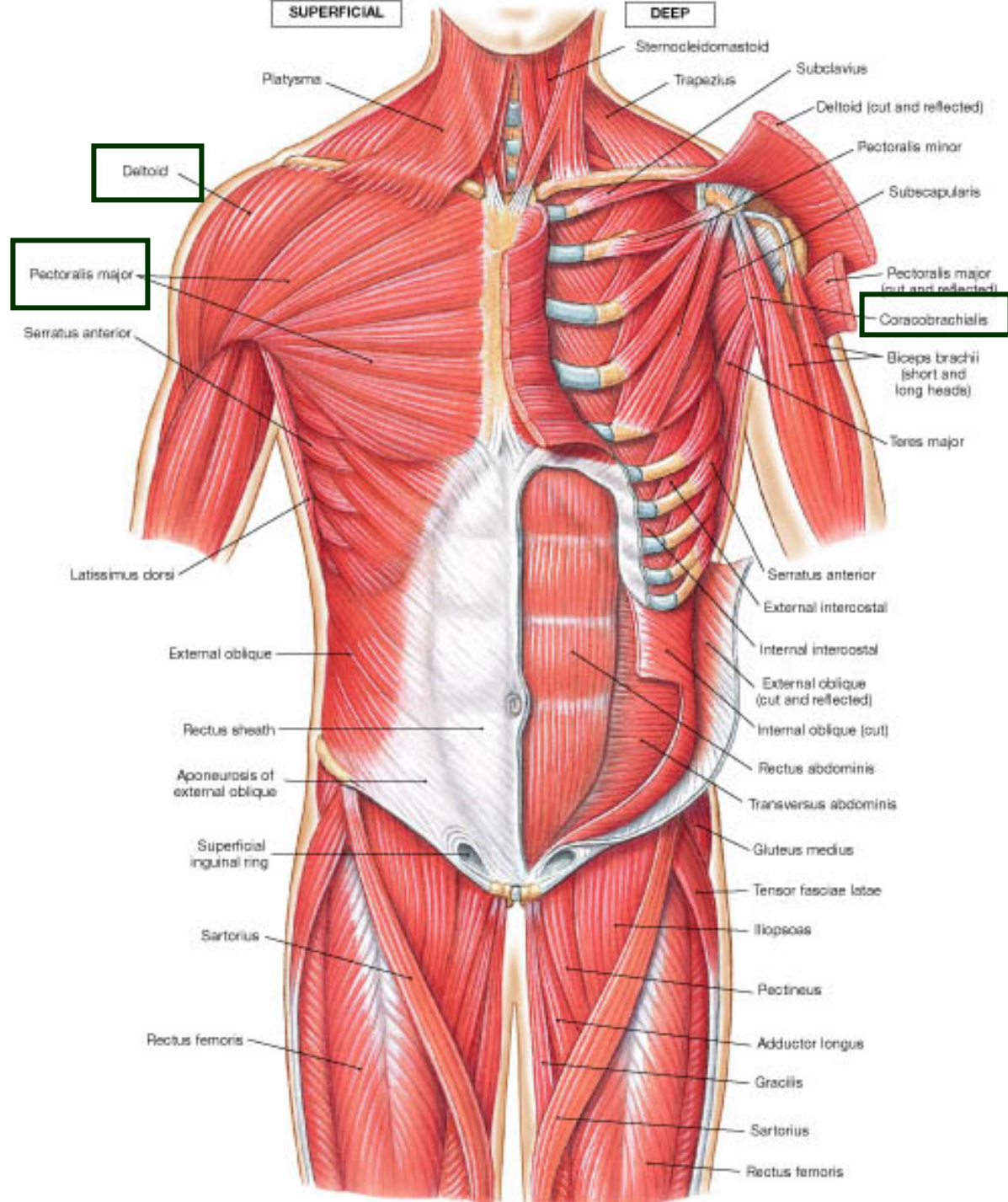


Fig
11-4

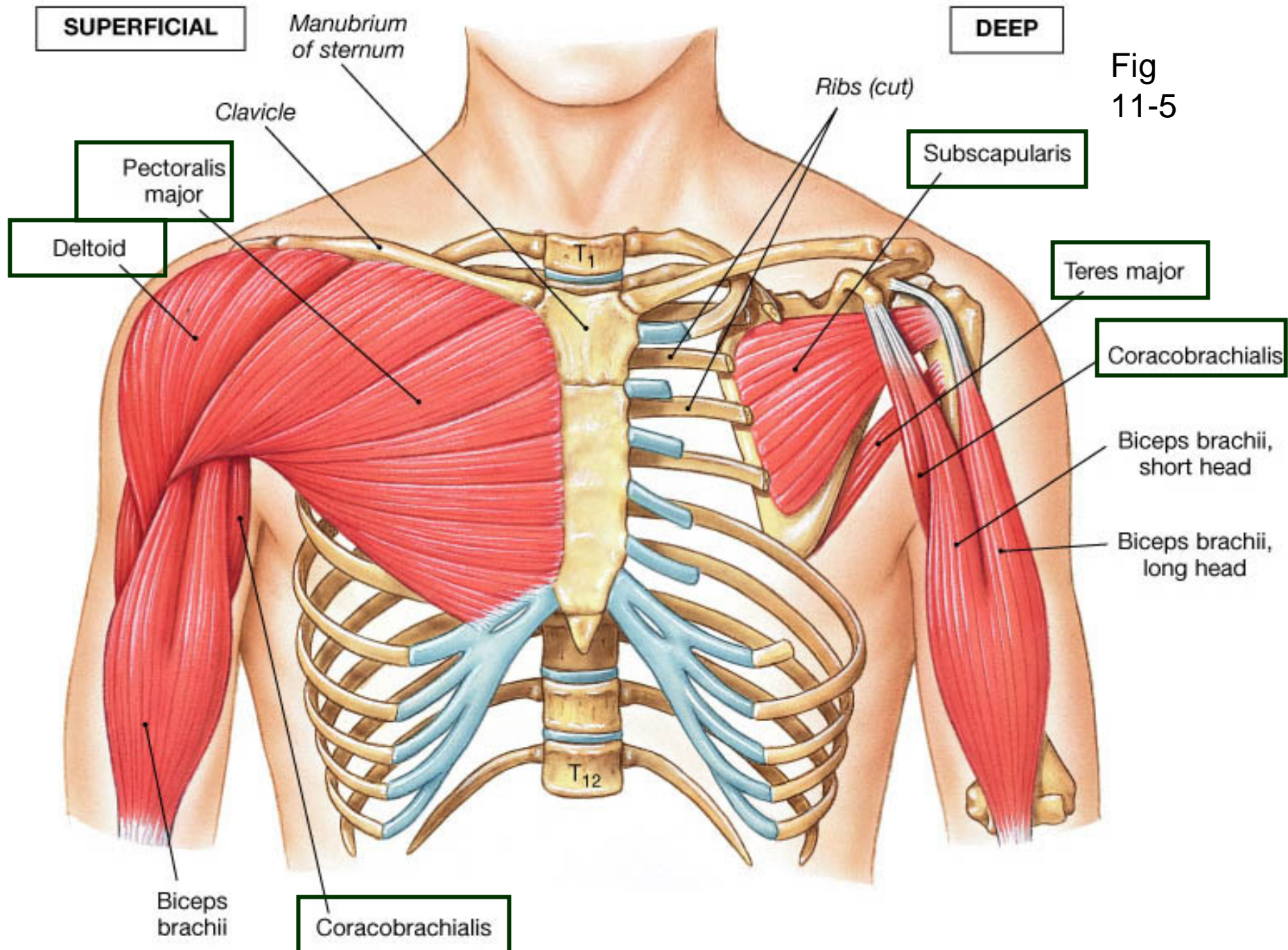
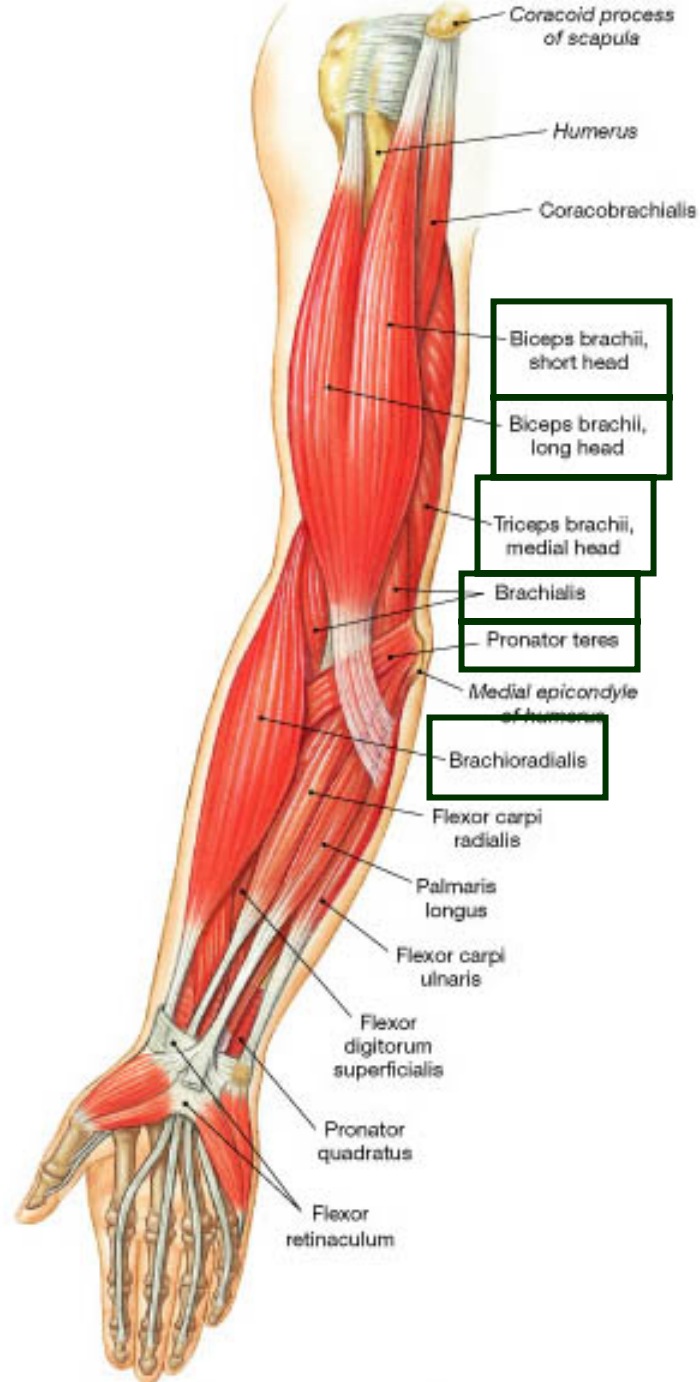


Fig 11-5

(a) Anterior view

Muscles that act on the forearm

Fig
11-6



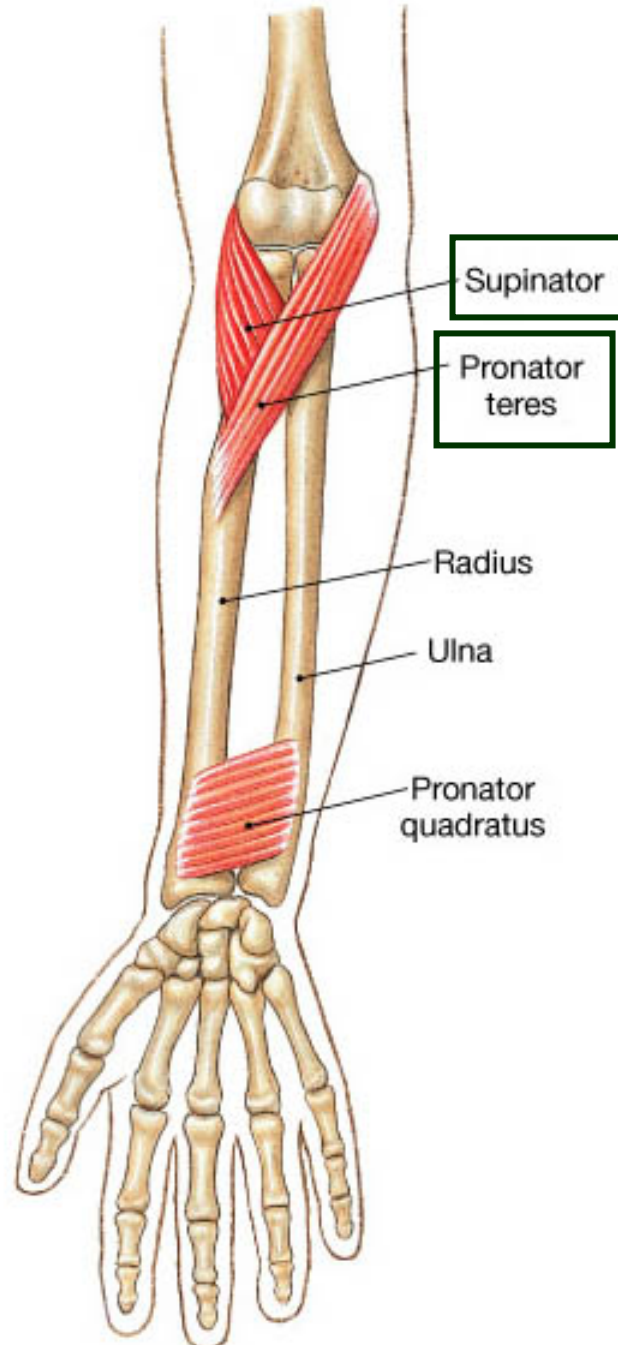
(b) Superficial muscles, anterior view

Fig
11-7



(b) Superficial muscles, posterior view

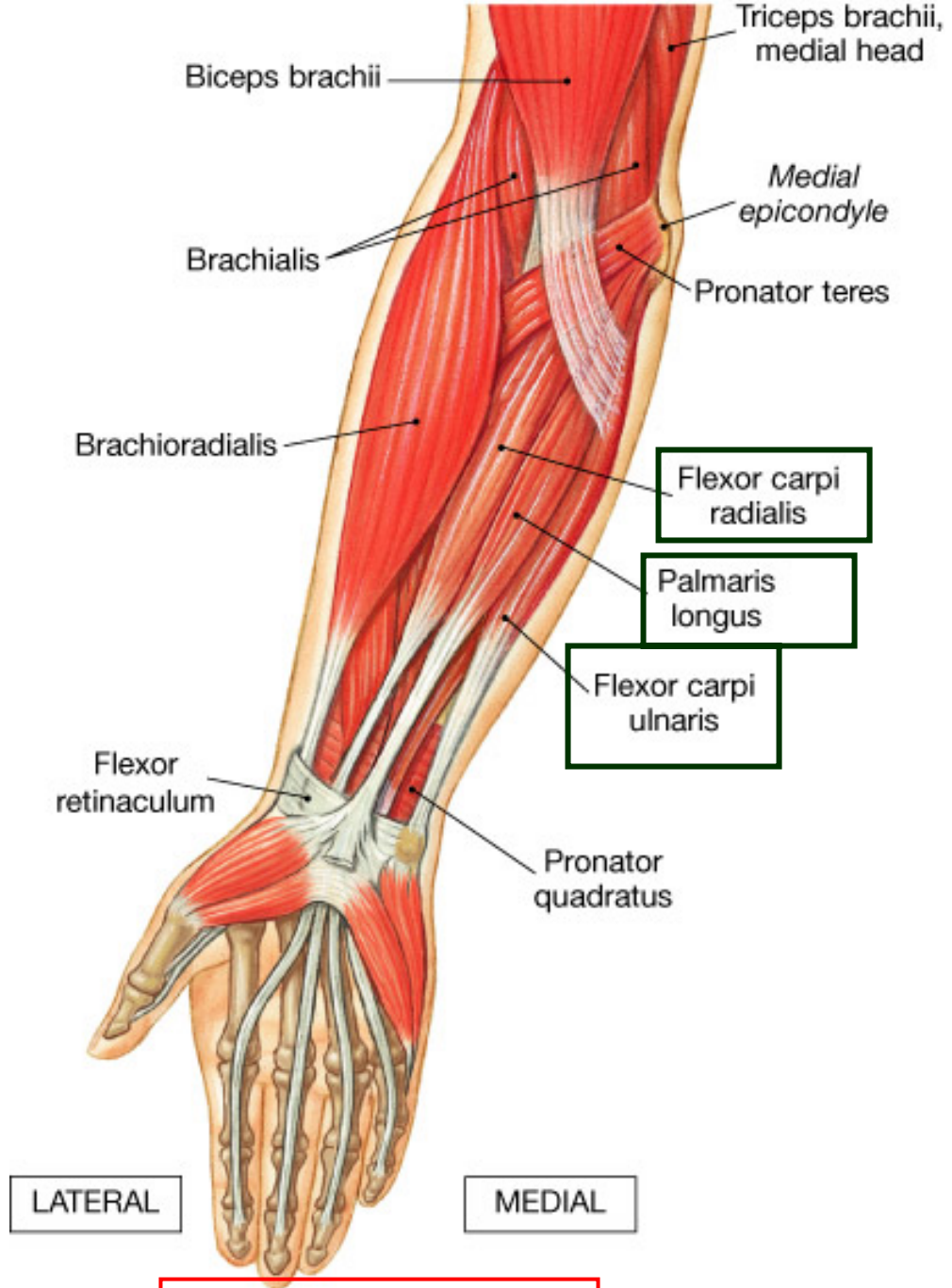
Fig
11-7



**(f) Anterior view of forearm,
deep muscles**

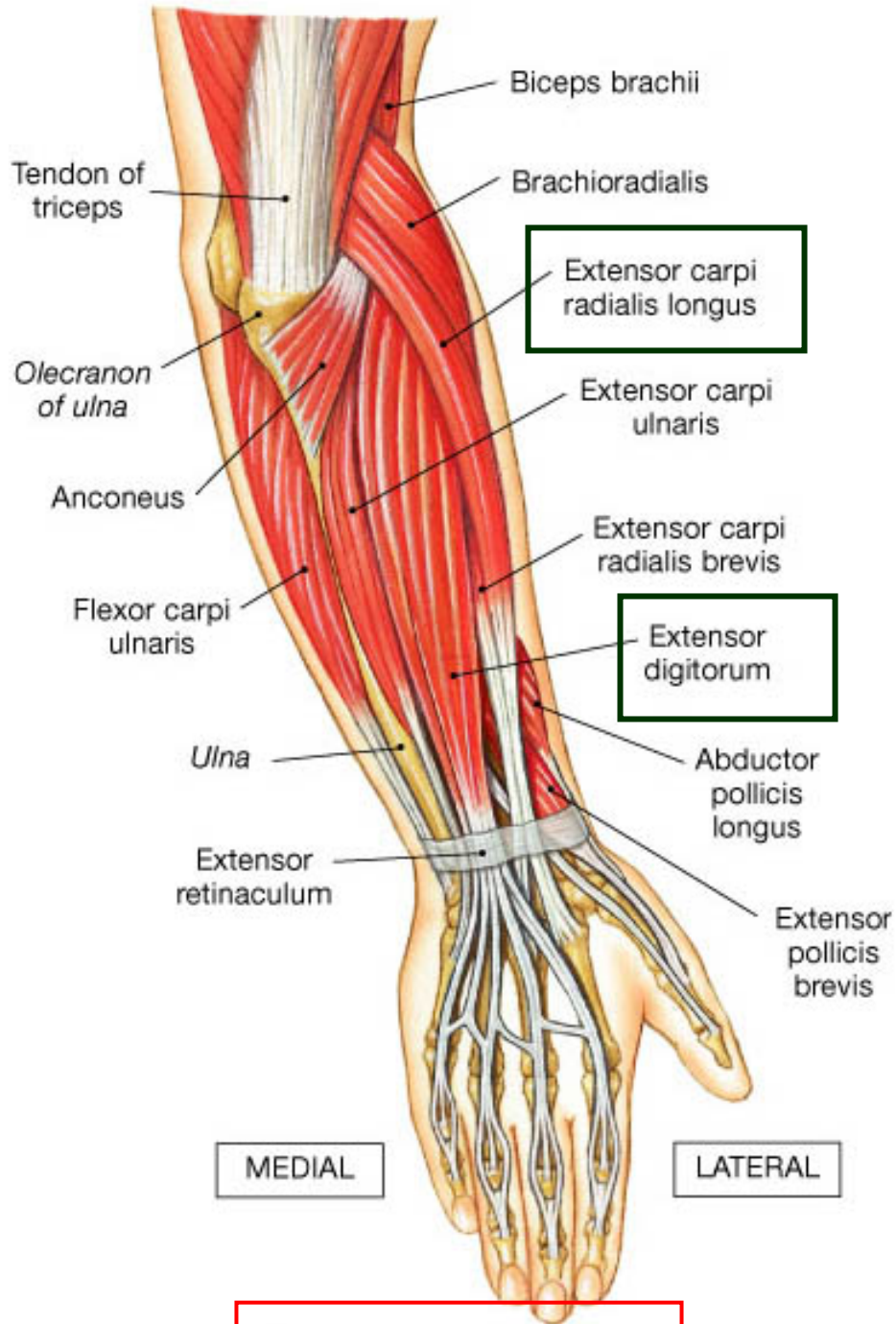
Muscles that act on the wrist/hand

Fig
11-8



(a) Anterior view, superficial

Fig
11-8

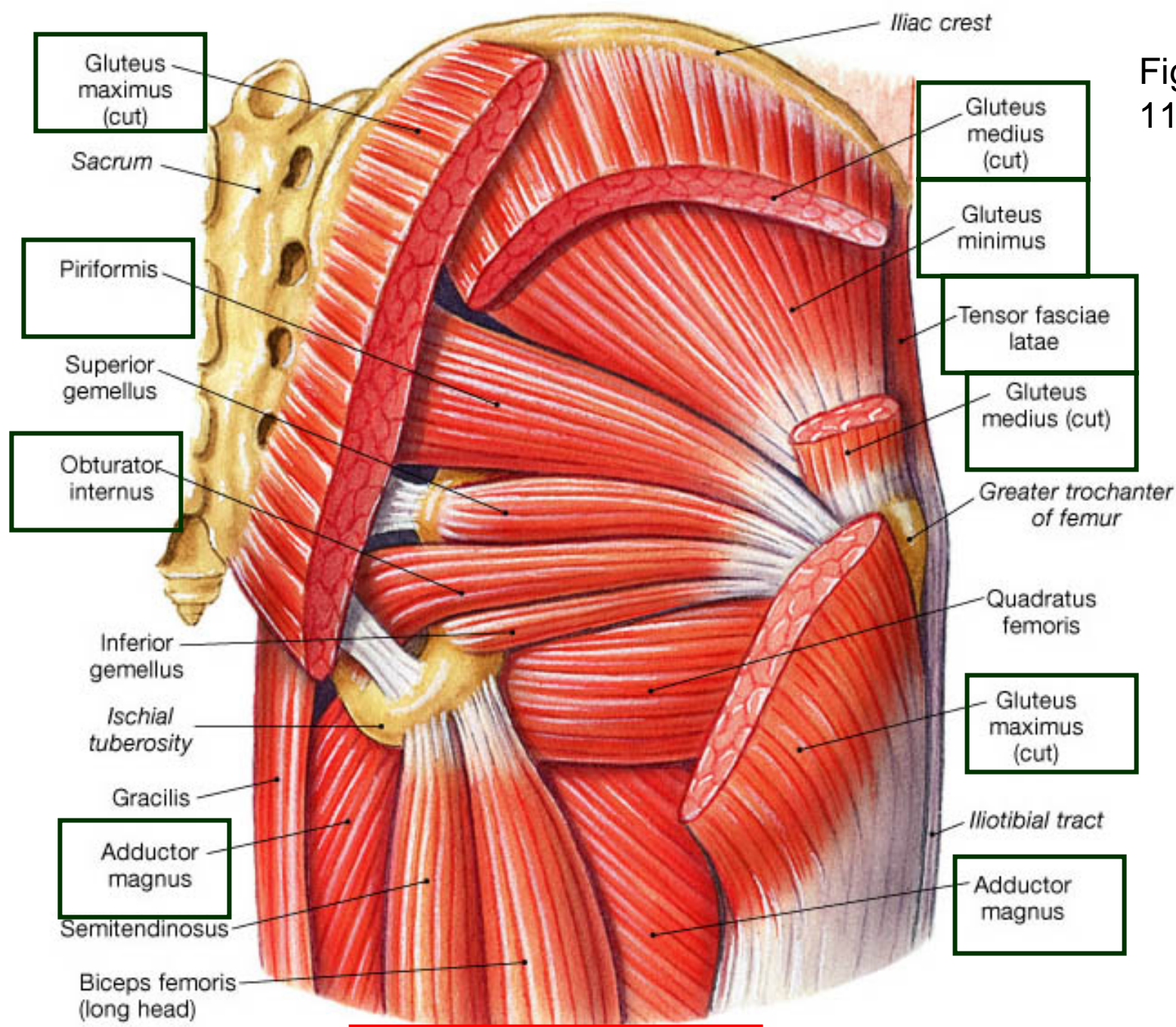


(d) Posterior view, superficial

Muscles that act on the thigh

- Iliosoas group-psoas major & iliacus

Fig
11-10



(a) Posterior view, deep muscles

Gluteus medius (cut)

Gluteus maximus (cut)

Iliac crest

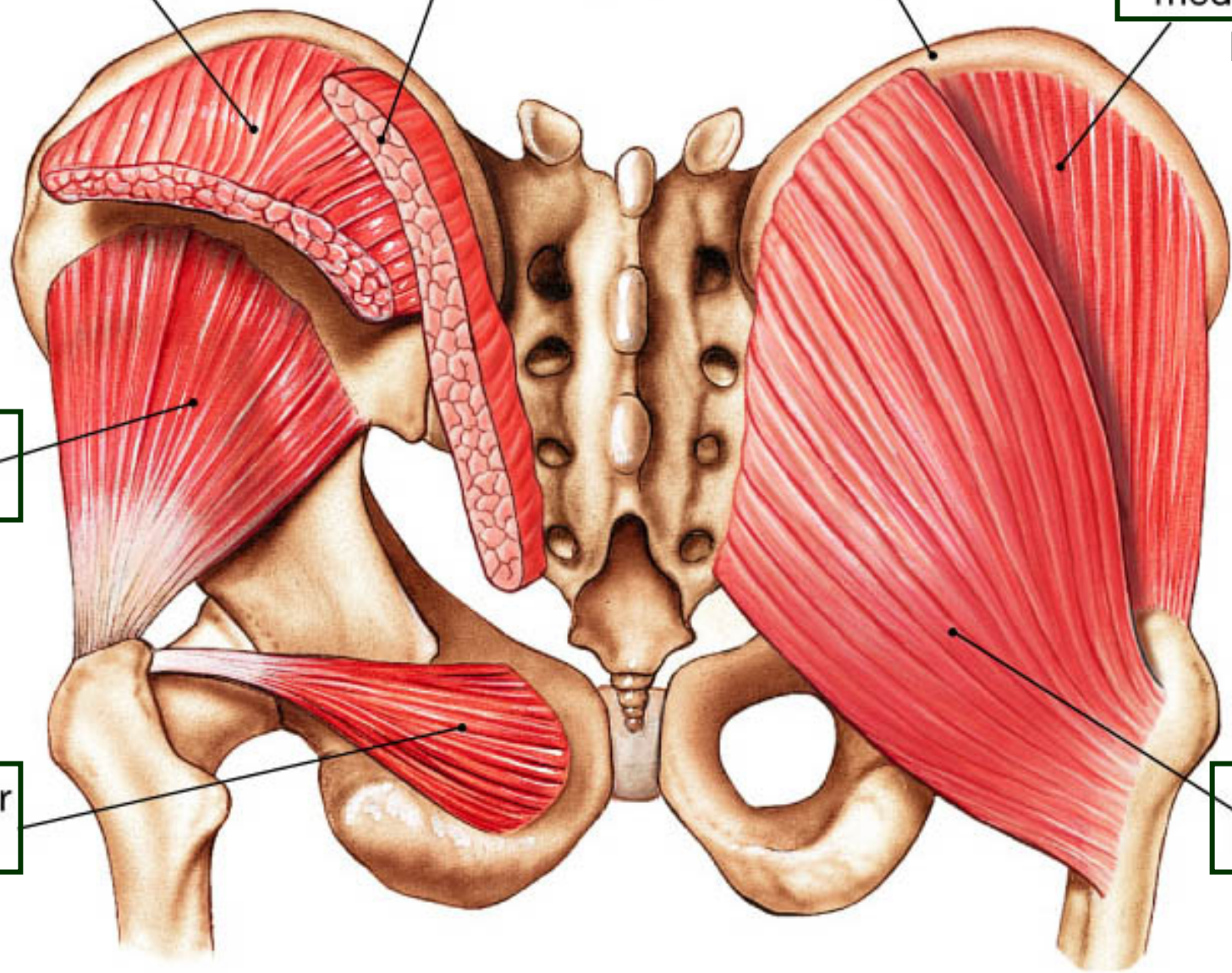
Gluteus medius

Fig 11-10

Gluteus minimus

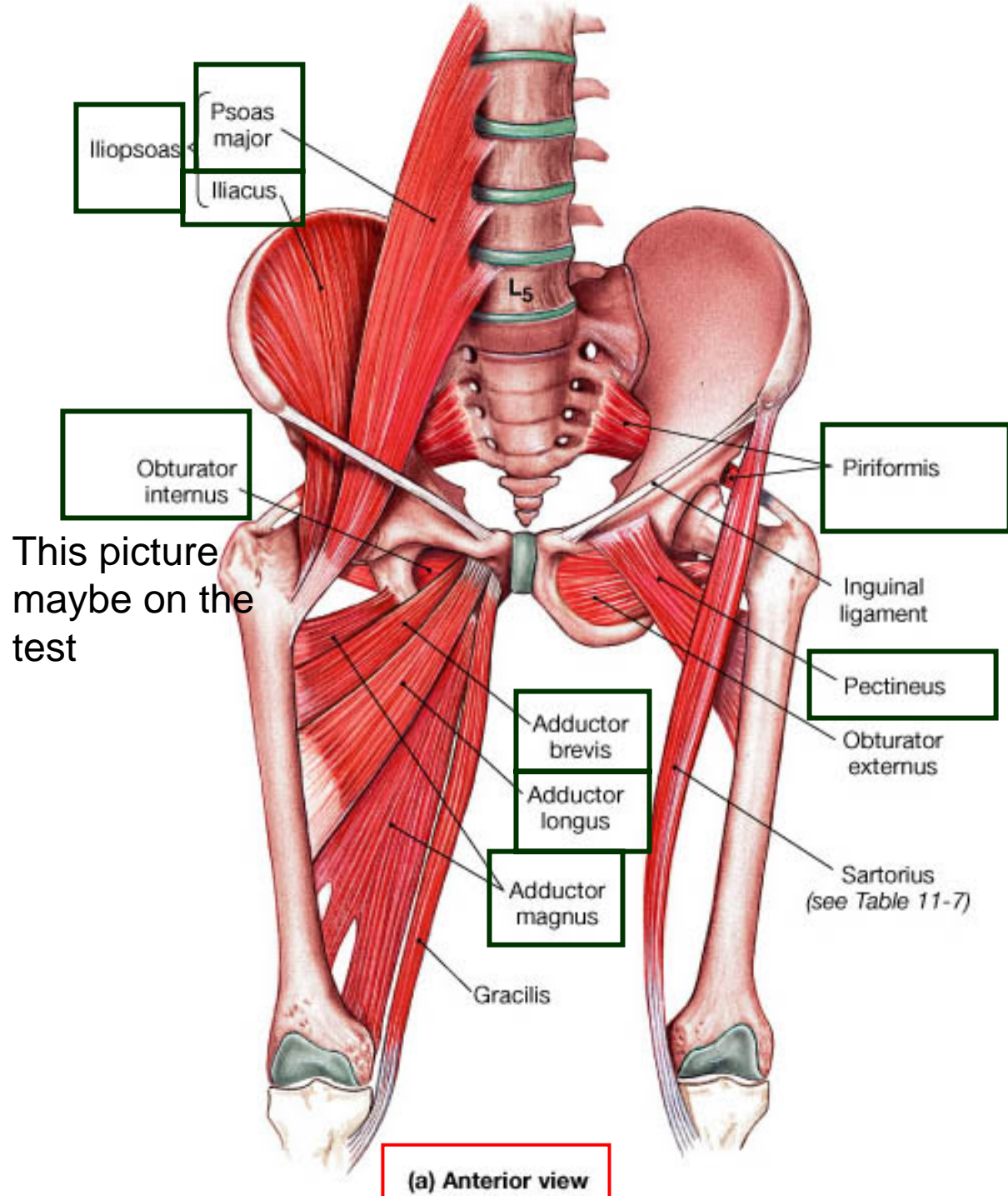
Obturator internus

Gluteus maximus

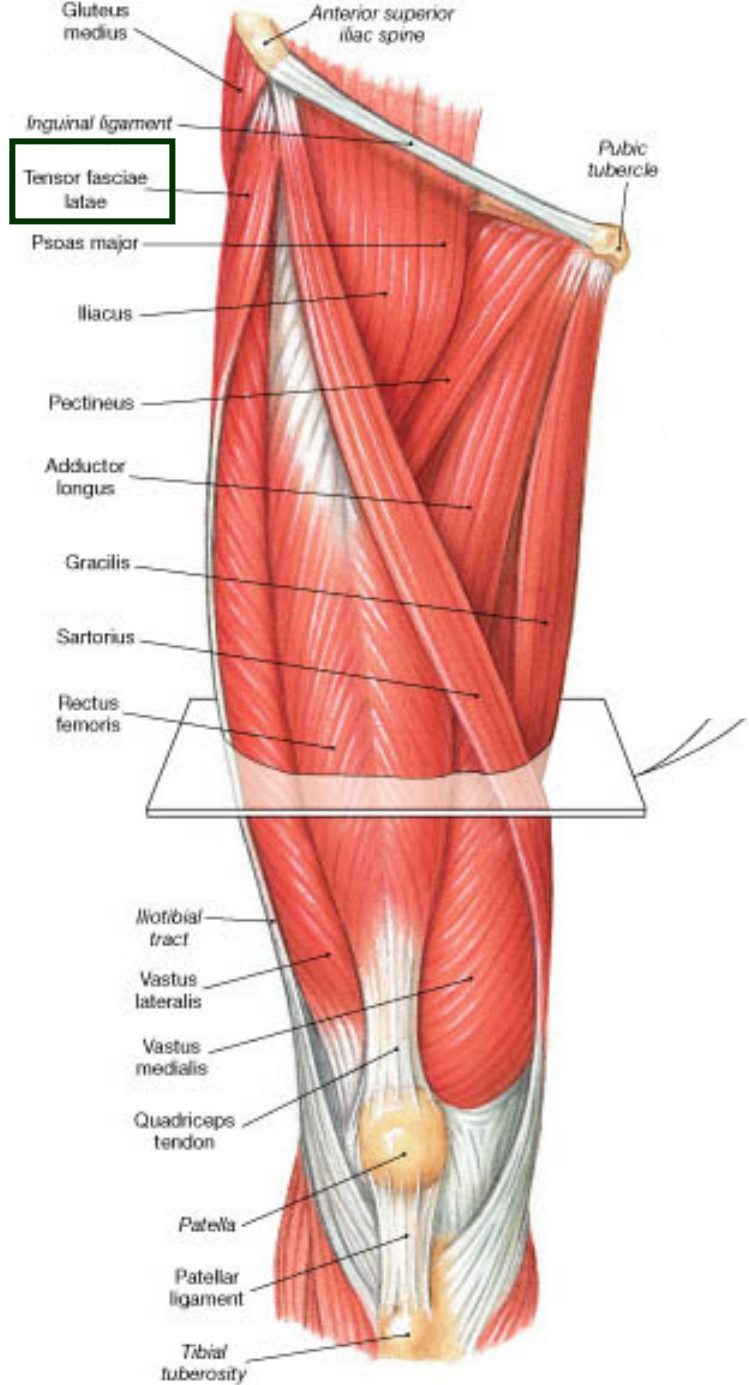


(c) Gluteal and lateral rotators, posterior view

Fig
11-11



This picture
maybe on the
test



(a) Quadriceps and thigh muscles, anterior view

Fig 11-12

Muscles that act on the thigh & leg

- Hamstrings-semi-tendinosus, semimembranosus, & biceps femoris long head

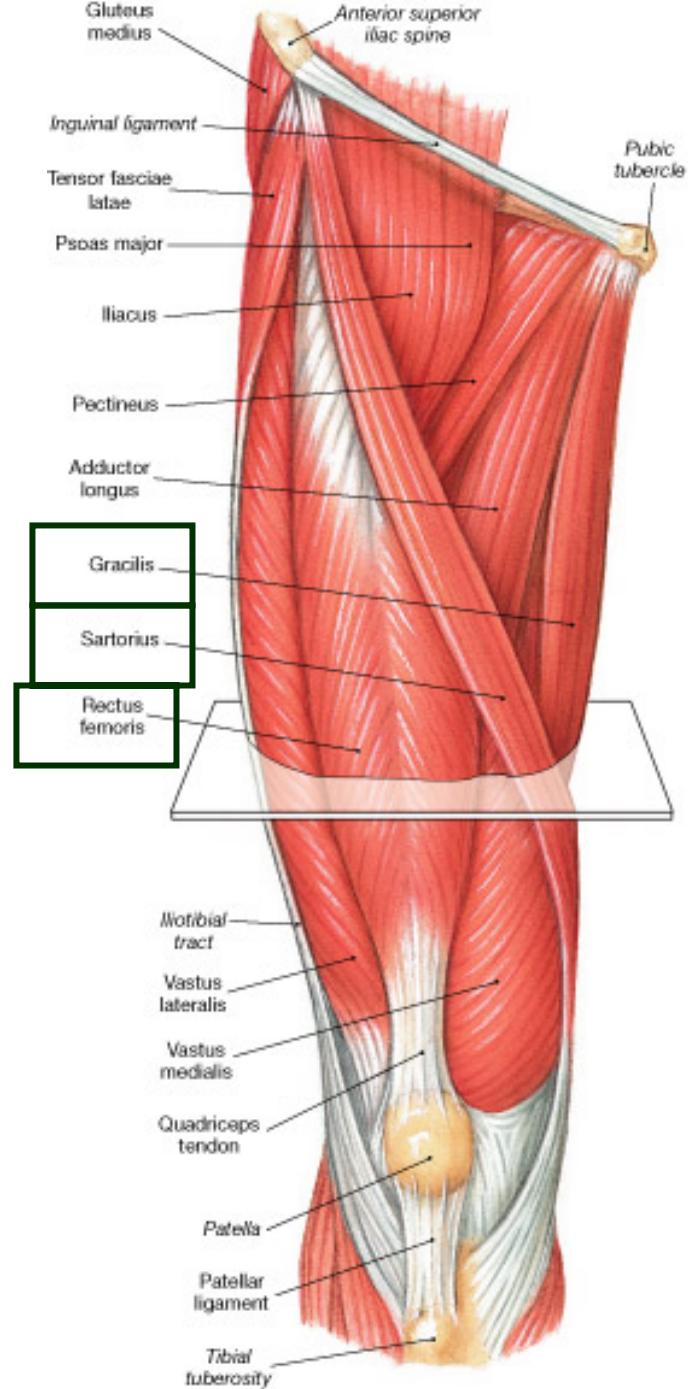


Fig 11-12

(a) Quadriceps and thigh muscles, anterior view

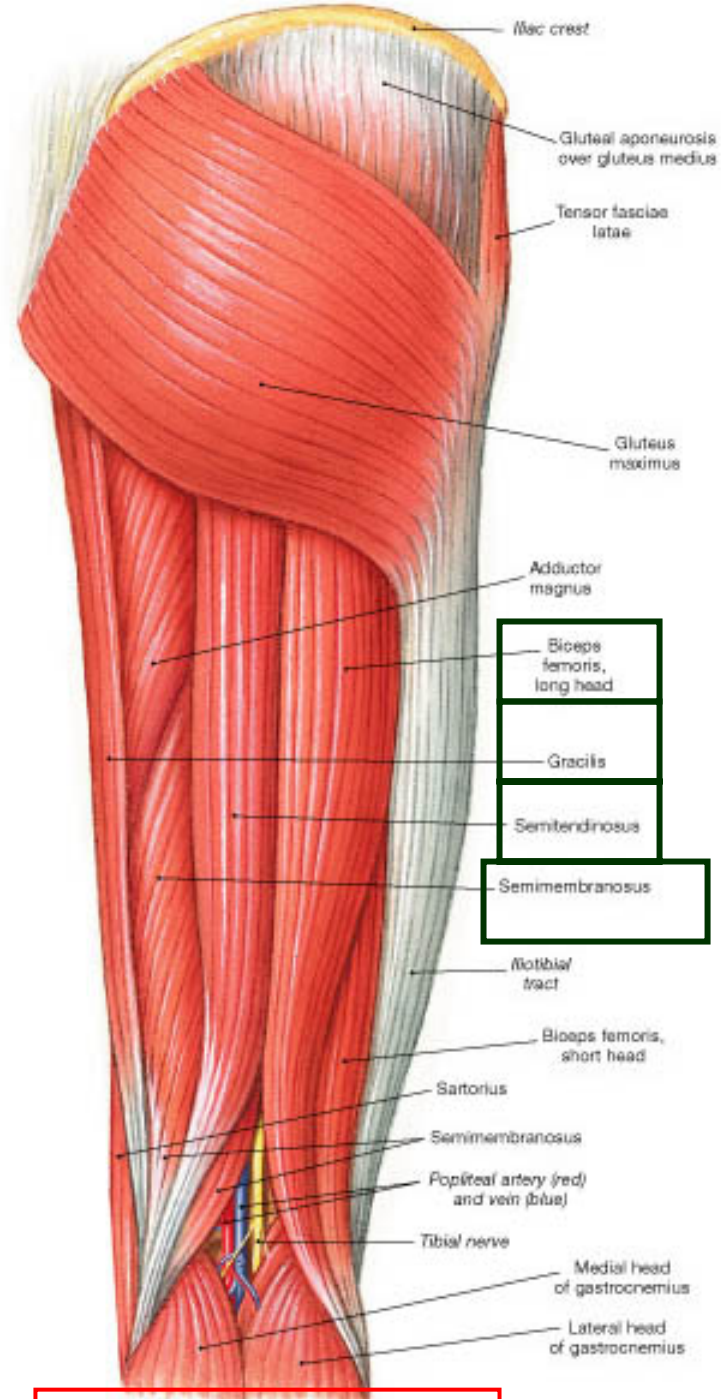


Fig 11-14

(a) Hip and thigh, posterior view

Muscles that act on the leg

- Quadriceps-rectus femoris, vastus medialis, vastus intermedius, & vastus lateralis
- The vastus intermedius is deep to the rectus femoris

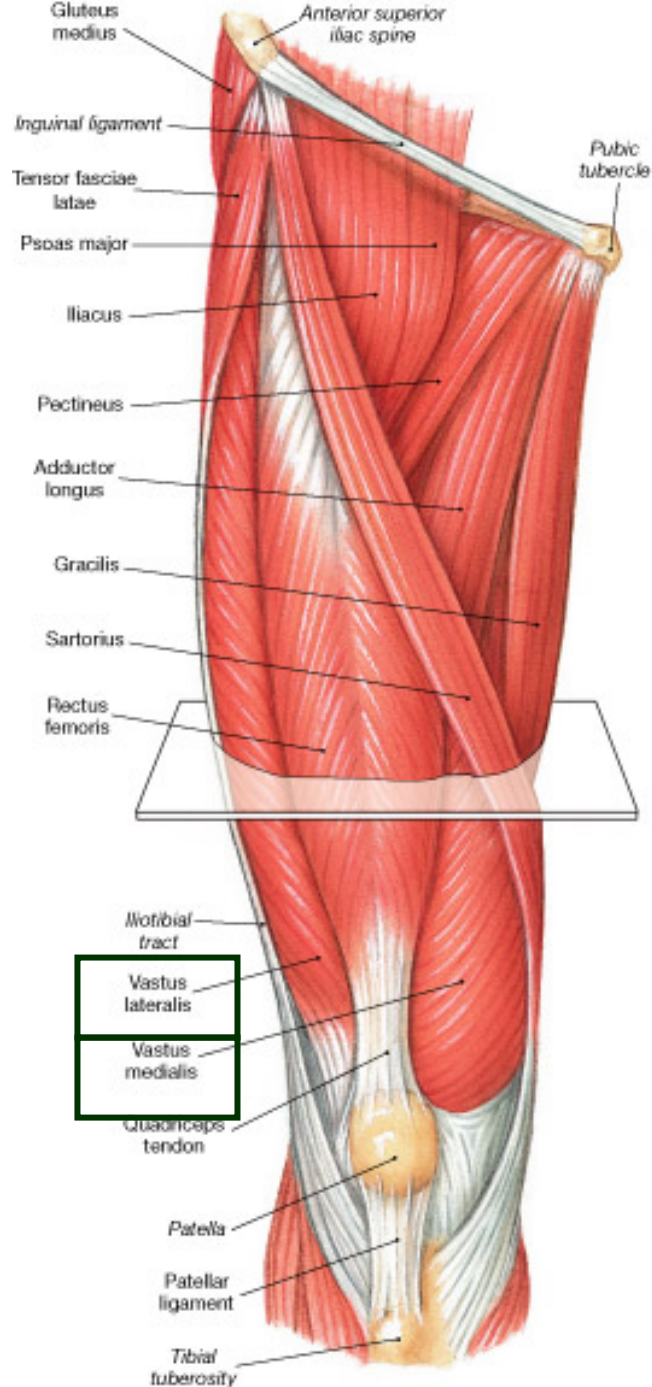


Fig
11-12

(a) Quadriceps and thigh muscles, anterior view

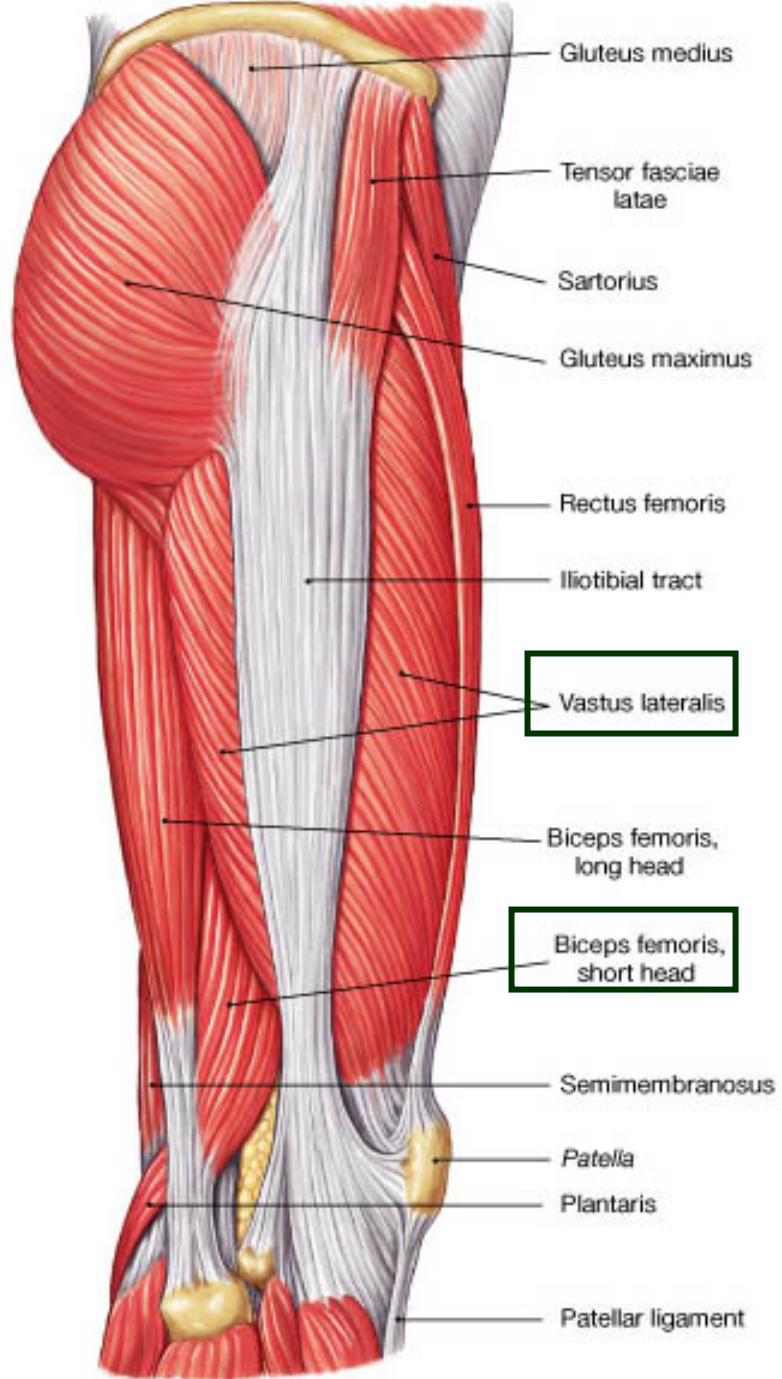
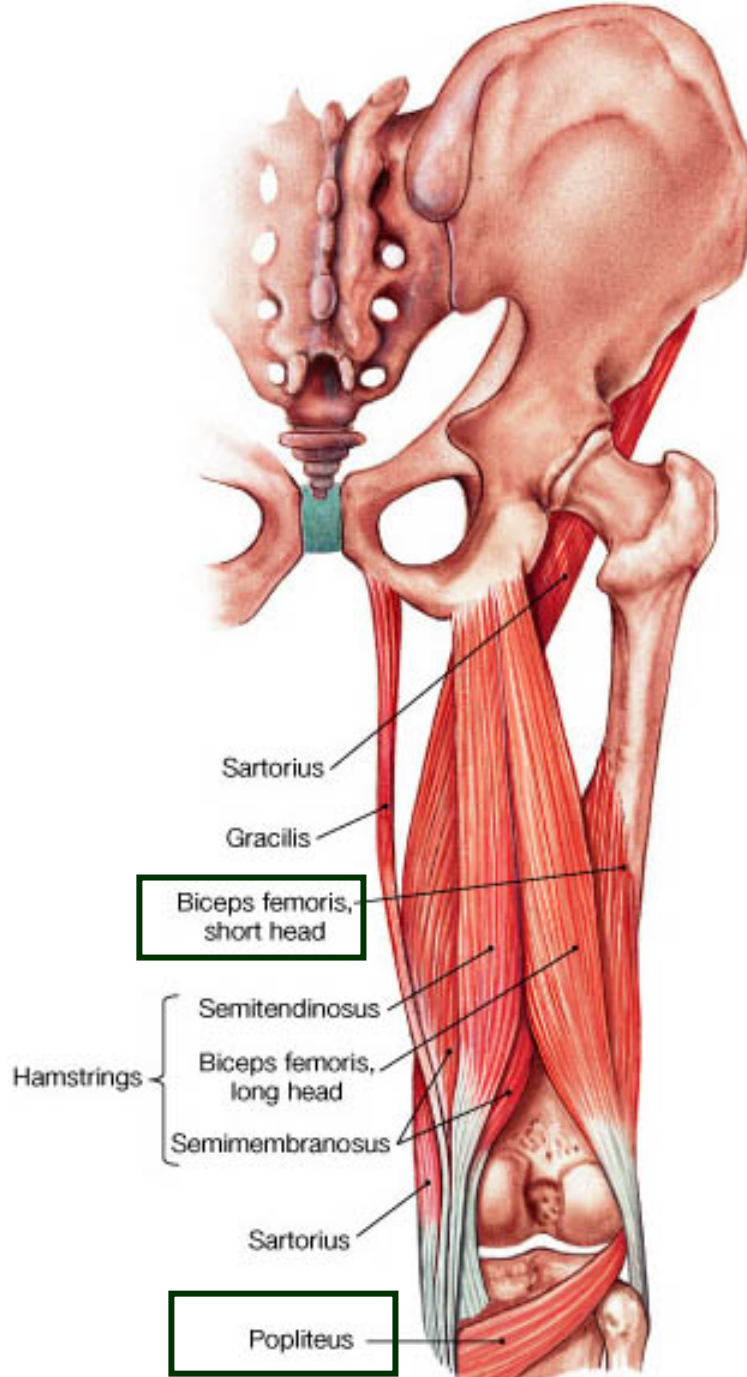
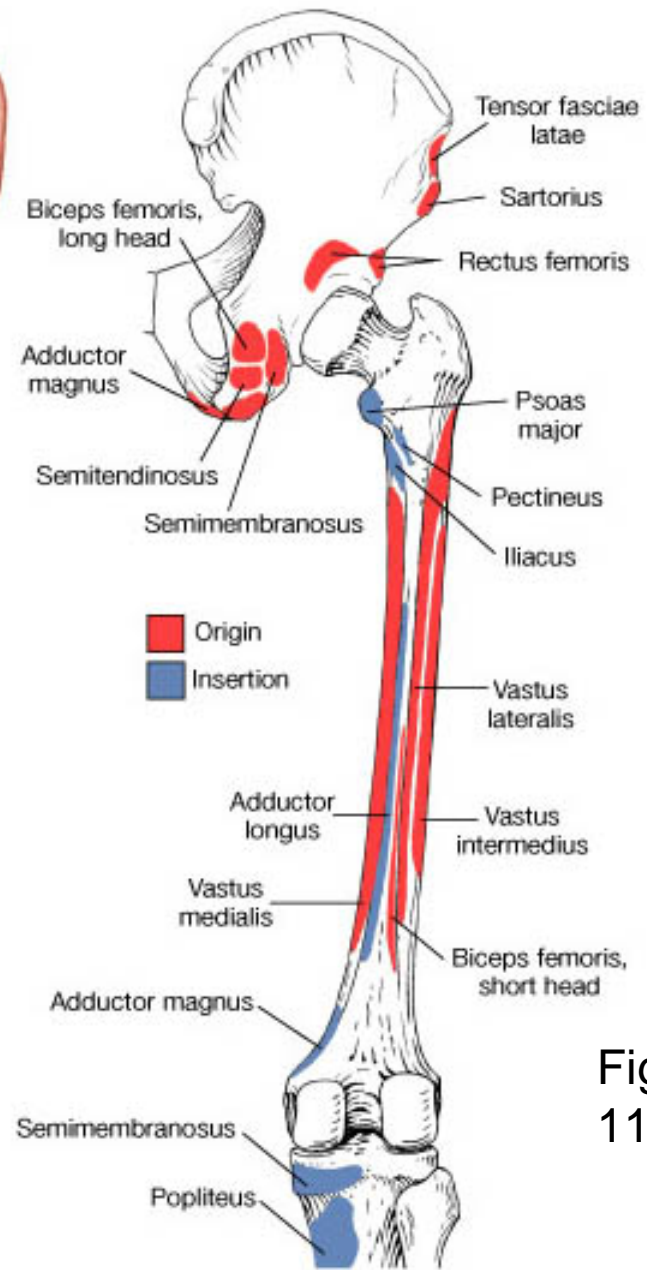


Fig
11-13

(a) Lateral view



(e) Posterior view

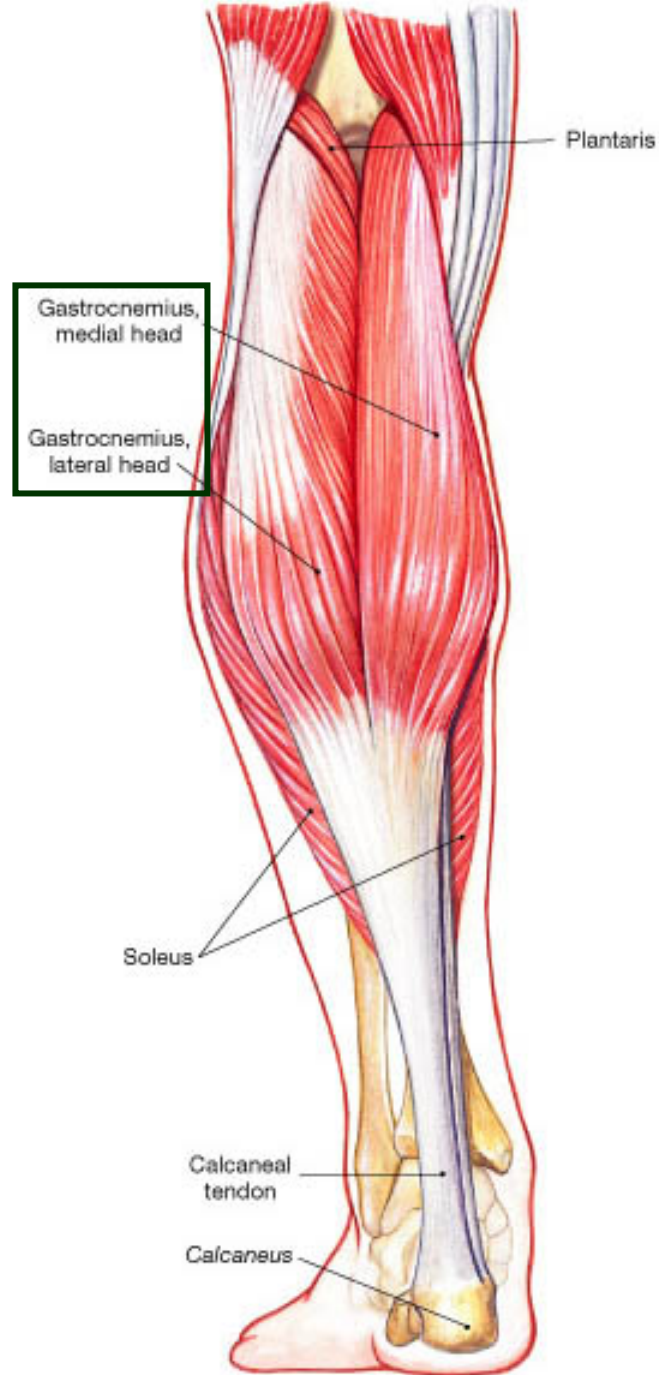


(f) Origins and Insertions, posterior view

Fig 11-14

Muscles that act on the leg & foot

Fig
11-15

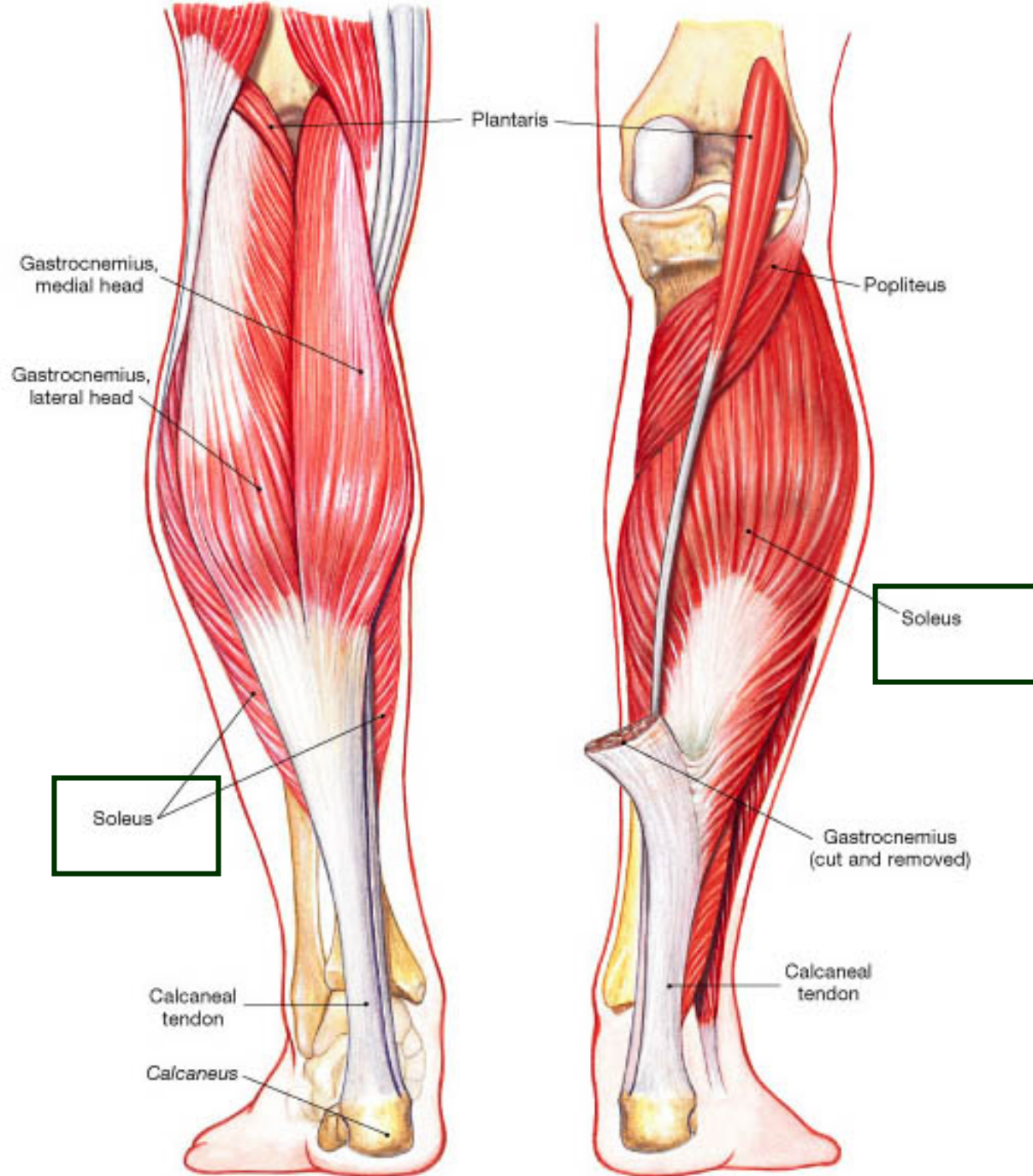


(a) Superficial muscles, posterior view

Muscles that act on the foot & toes

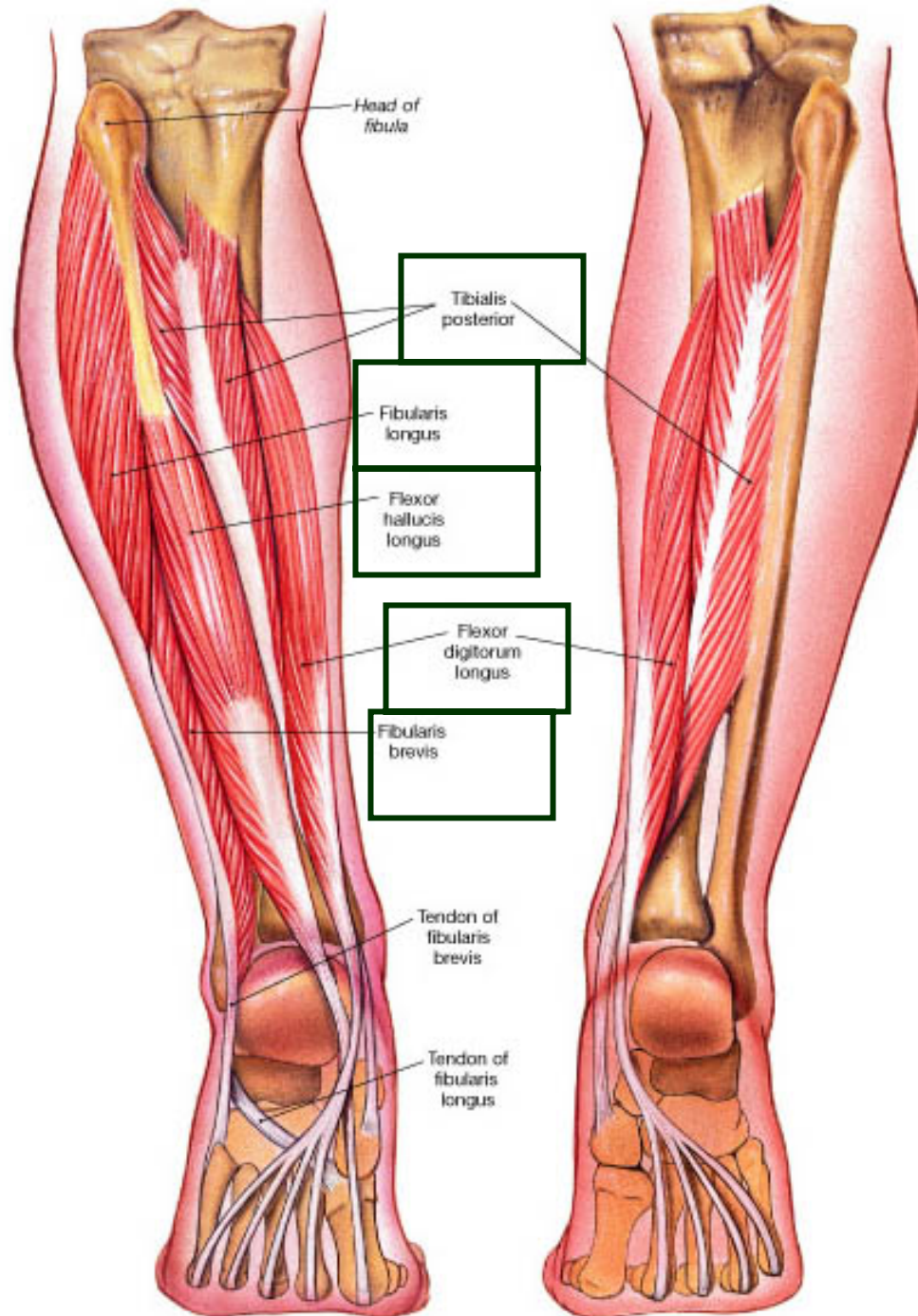
- Peroneus is another name for fibularis
- Peroneus longus/Fibularis longus
- Flexor hallucis longus/Flexor digitorum longus/Tibialis posterior are deep to the Soleus

Fig
11-15



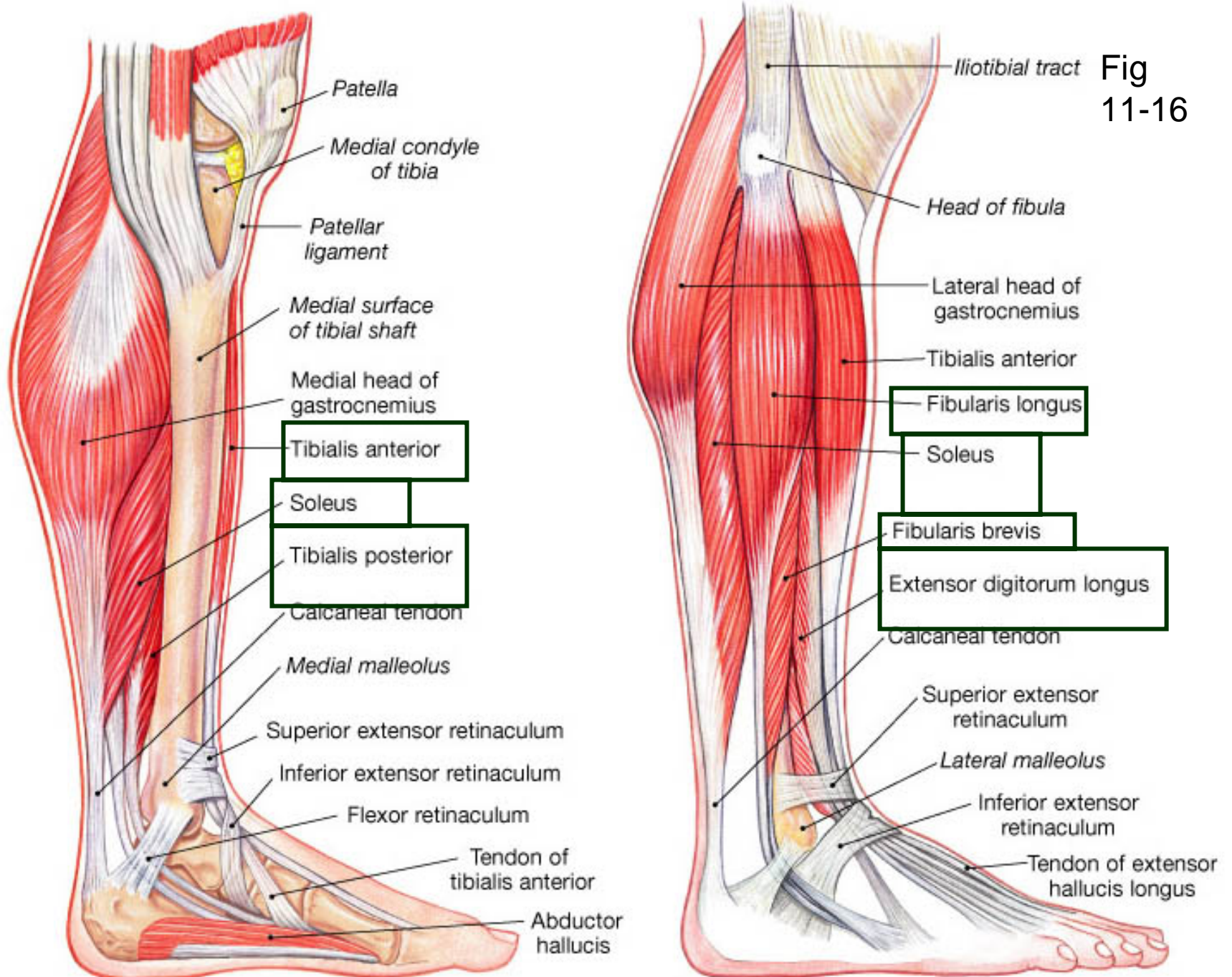
(a) Superficial muscles, posterior view

Fig
11-15



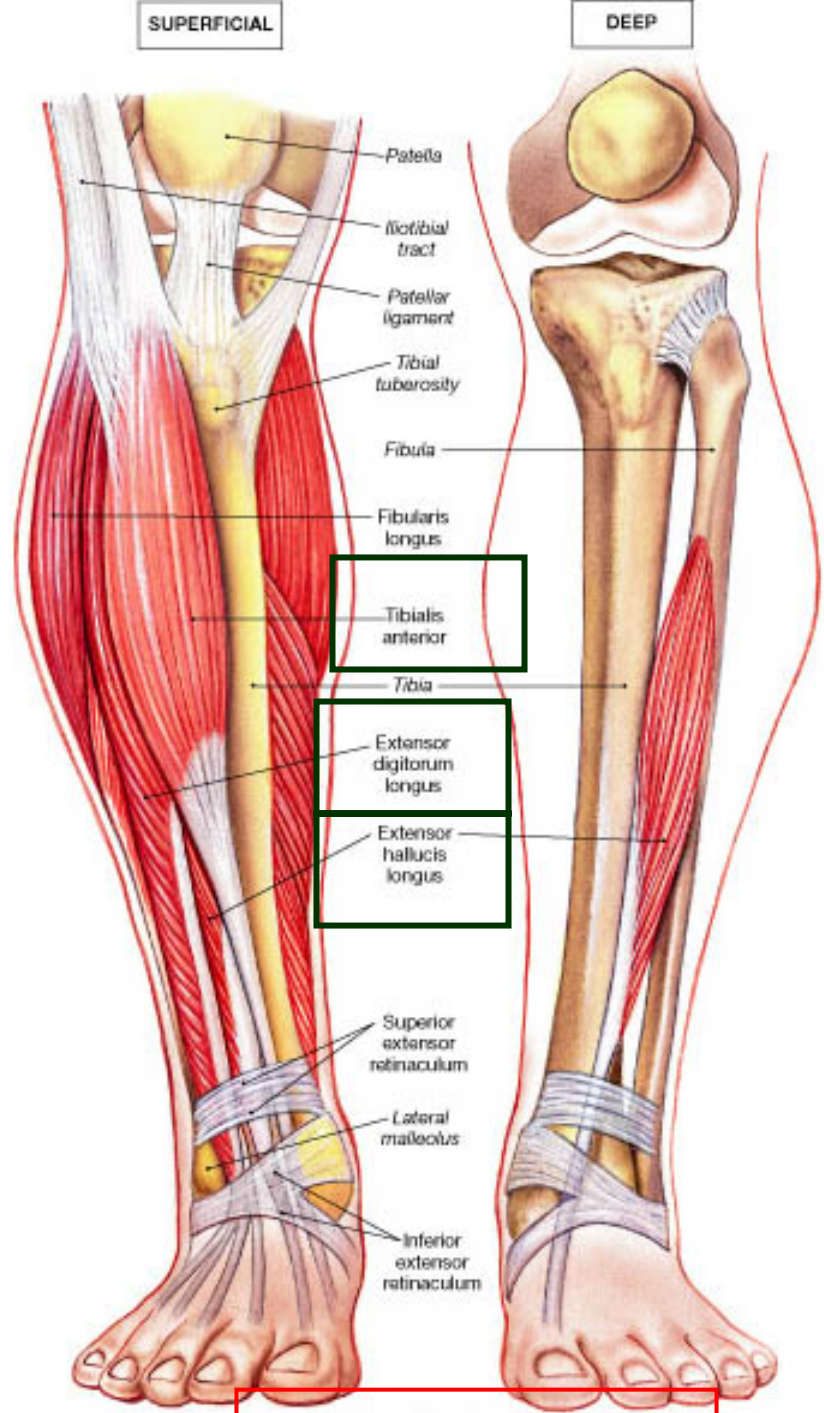
(c) Deep muscles, posterior view

Fig 11-16



(a) Medial view

(b) Lateral view



SUPERFICIAL

DEEP

Patella

Iliotibial tract

Patellar ligament

Tibial tuberosity

Fibula

Fibularis longus

Tibialis anterior

Tibia

Extensor digitorum longus

Extensor hallucis longus

Superior extensor retinaculum

Lateral malleolus

Inferior extensor retinaculum

(a) Anterior view

Fig 11-17

