

Muscles of lateral aspect of hip and thigh

1-Tensor fascia lata muscle:

Origin: Coxsal Tuber.

Insertion: The fascia lata & patella & cranial tibial border.

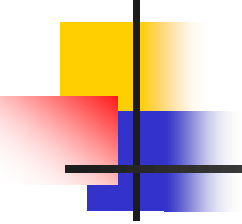
Action: Tension of the fascia lata & flexion of the hip joint & extension of stifle joint and abduction of the limb.

2- Gluteus superficialis muscle:

Origin: Coxal tuber & gluteal fascia.

Insertion: Third trochanter of the femur.

Action: Flexion of the hip joint.
Tension of the gluteal fascia.
Abduction of the limb.



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3- Gluteus medius muscle:

Origin: Anterior surface & tubercle of the ilium & dorsal and lateral sacrospinous ligaments.

Insertion: Superior part of greater trochanter & trochanteric crest.

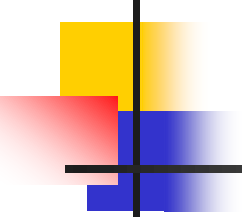
Action: Extension of the hip joint & abduction of the limb.

4- Gluteus profundus muscle:

Origin: Ischial spine & body of the ilium.

Insertion: Convexity part of greater trochanter.

Action: Abduction of the limb and rotate it medially.



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5- Biceps femoris muscle:

Origin: Ischiatic tuberosity.

Insertion: Patella & crest of the tibia & calcaneal tuberosity

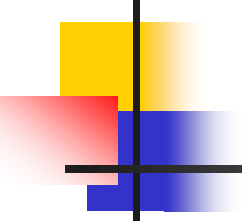
Action: Extension of the hip, stifle and tarsal joints joint (Extension of limb) and bduction of the limb.

6- Semitendinosus muscle:

Origin: Ventral surface of ischiatic tuberosity & transverse processes of first 2 caudal vertebrae.

Insertion: Crest of the tibia & calcaneal tuberosity.

Action: Extension of the hip and hock joints & flexion of the stifle joint & abduction of limb.



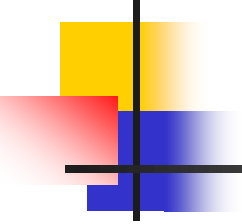
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7- Semimembranosus muscle:

Origin: Ventral surface of ischiatic tuberosity.

Insertion: Medial epicondyle of femur.

Action: Extension of the hip joint & adduction of the limb.



Muscles of medial aspect of the thigh

These Muscles are arranged in three layers.

First layer:

1- Sartorius muscle:

Origin: Iliac fascia.

Insertion: Medial patellar ligament & tibial tuberosity.

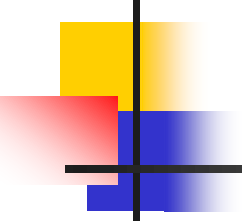
Action: Flexion of the hip joint & adduction of the limb.

2- Gracilis muscle:

Origin: Pelvic symphysis & ventral surface of the pubis.

Insertion: Medial patellar ligament & medial surface of femur.

Action: Adduction of the limb.



Muscles of medial aspect of the thigh

Second layer:

1- Pectineus muscle:

Origin: Pecten of pubis & prepubic tendon.

Insertion: Middle third of caudal border of femur.

Action: Flexion of the hip joint & adduction of the limb.

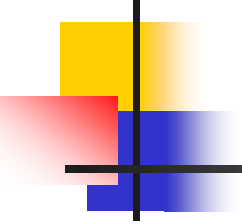
2- Adductor muscle:

Origin: Ventral surface of ischium and pubis.

Insertion: Medial epicondyle of femur.

Action: Extension of the hip joint & adduction of the limb.

3. Semimembranosus muscle: Described above.



Muscles of medial aspect of the thigh

Third layer:

1- External obturator muscle:

Origin: Ventral surface of ischium and pubis around obturator foramen.

Insertion: Trochanteric fossa.

Action: Adduction of the thigh & rotate it laterally.

2- Internal obturator muscle:

Origin: Dorsal (pelvic) surface of ischium and pubis around obturator foramen.

Insertion: Trochanteric fossa.

Action: Adduction of the thigh & rotate it laterally.



Muscles of medial aspect of the thigh

Third layer:

3- Quadratus femoris muscle:

Origin: Ventral surface of ischium.

Insertion: Oblique line on the caudal surface of the femur.

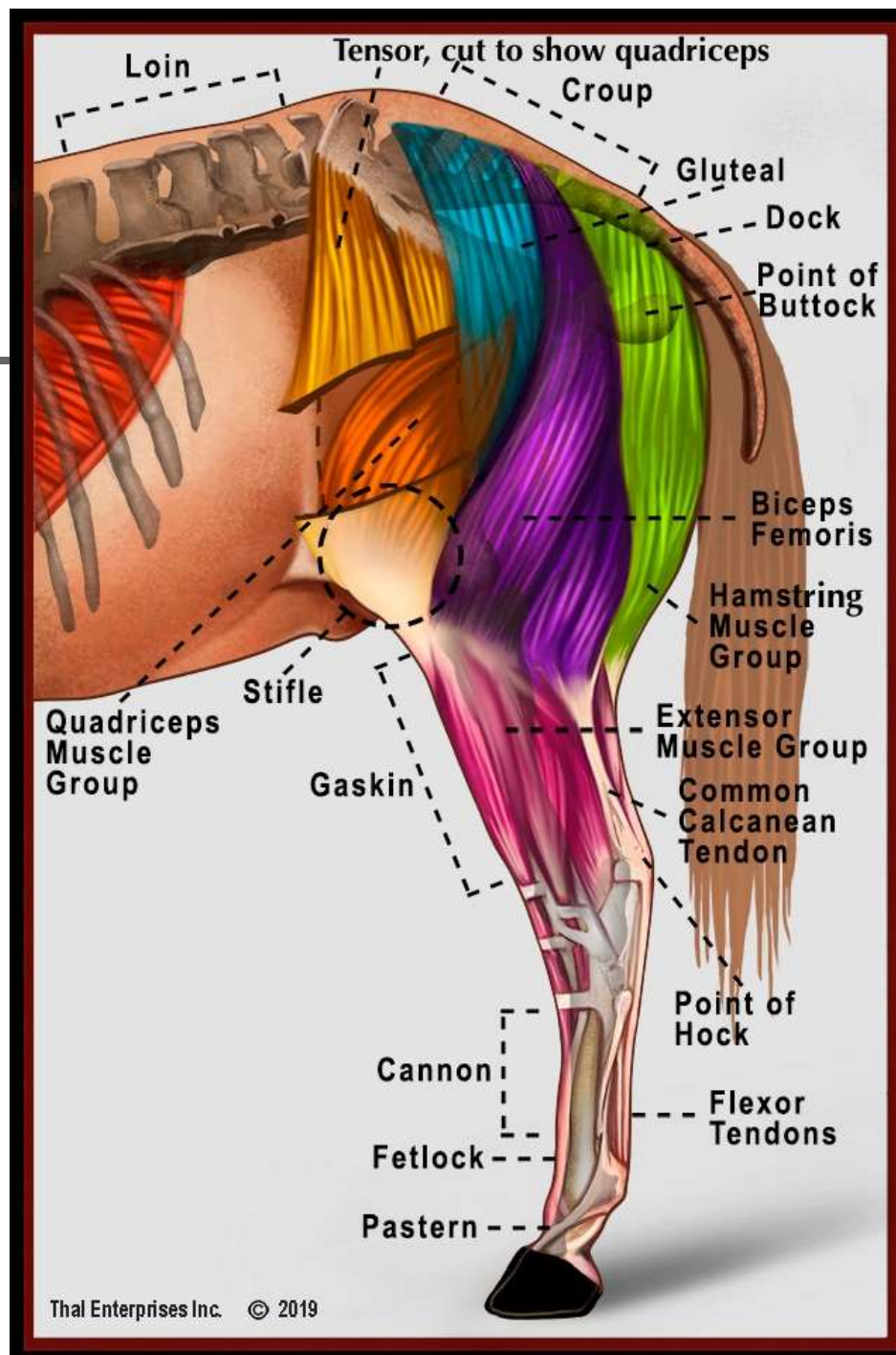
Action: Extension of the hip joint & adduction of the thigh.

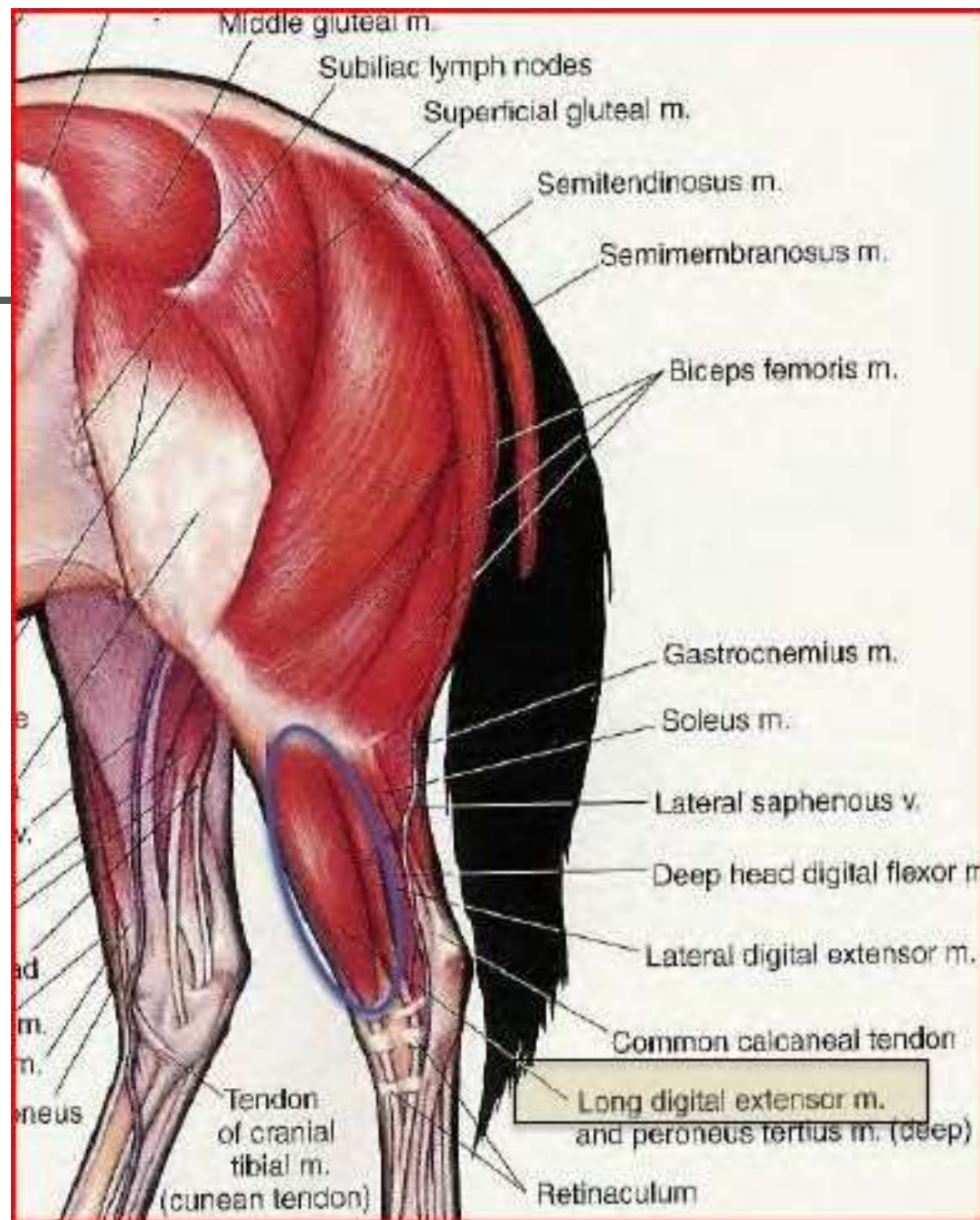
4- Iliopsoas muscle: (fused psoas major and iliacus Ms)

Origin: Sacropelvic surface of ilium & transverse processes of lumbar vertebrae

Insertion: Lesser trochanter of femur.

Action: Flexion of the hip joint & adduction of the thigh & rotate it laterally.





Lateral aspect of the hind limb



a- fascia lata

2- superficial gluteal M.

3- rectus femoris M.

5- biceps femoris M.

5b- middle head of 5

6- semitendinosus M.

8- long digital extensor M.

10- hallucis longus M.

12- gastrocnemius (lateral head)

b- calcaneus tendon

1- tensor fasciae latae M.

2'- middle gluteal M.

4- vastus lateralis M.

5a- cranial head of 5

5c- caudal head of 5

7- semimembranosus M.

9- lateral digital extensor M.

11- solus M.

Medial aspect of the hind limb



a- fascia lata

c- tibia

1—gracilis M. (reflected)

3- rectus femoris M.

5- sartorius M.

7- adductor M.

9- semitendinosus M.

11- popliteus M.

13- hallucis longus M.

b- calcaneus tendon

d- tuber calcanei

2- tensor fascia lata M.

4- vastus medialis M.

6- pectinus M.

8- semimembranosus M.

10- gastrocnemius (medial head)

12- cranial tibial M.