

DEEP MUSCLES

from where	piriformis	obturator internus	superior gemellus	inferior gemellus	quadratus femoris
Origin	anterior surface of middle 3 sacral vertebrae	inner surface of obturator membrane & the surrounding bone	upper border of lesser sciatic notch	lower border of lesser sciatic notch	Lateral border of ischial tuberosity
Insertion	pass through greater sciatic foramen to upper border of greater trochanter	pass through lesser sciatic foramen to insert in greater trochanter above trochanteric fossa	upper border of tendon of obturator internus then to medial surface of greater trochanter	lower border of tendon of obturator internus then to medial surface of greater trochanter	quadrate tubercle
Nerve supply	sacral plexus (S1, 2 nerves)	sacral plexus, n. to obturator internus	n. to obturator internus	n. to quadratus femoris	sacral plexus, n. to quadratus femoris
Action (function)	lateral rotation of thigh				

SUPERFICIAL MUSCLES

from where	Gluteus minimus	gluteus medius	gluteus maximus	tensor fascia lata
Origin	outer surface of ilium ()ant.& inferior gluteal lines	outer surface of ilium (). post. & ant. gluteal lines	outer surface of ilium behind post. gluteal line Back of sacrum & coccyx & sacrotuberous lig.	ant. 5cm of outer lip of iliac crest
Insertion	front of greater trochanter.	lateral aspect of greater trochanter	superficial 3 / 4 insert in post. border of iliotibial tract deep 1 / 4 insert in gluteal tuberosity	ant. border of iliotibial tract
Nerve supply	both supplied by superior gluteal n		inferior gluteal n.	superior gluteal n
Action (function)	1- abduction of thigh 2- Medial rotation of thigh by the ant. Fibers 3-prevent tilting of pelvis towards unsupported side on standing on one limb so paralysis of these muscles on both sides causes waddling gait		1-main extensor of hip joint 2- tense iliotibial tract in standing position to keep bone of L.L above each other	1-abduction of thigh 2-tense iliotibial tract in standing position to keep bone of L.L above each other

Foramina

From where	greater sciatic foramen	lesser sciatic foramen
Contain	1- piriformis 2- structures above piriformis <ol style="list-style-type: none"> 1- superior gluteal n 2- superior gluteal vessels 3- structures below piriformis <ol style="list-style-type: none"> 1- inferior gluteal n. 2- inferior gluteal vessels 3- sciatic n. 4- post. cut. n. of thigh. 5- n. to quadratus femoris 6- n. to obturator internus 7- int. pudendal vessels 8- Pudendal n. 	1- obturator internus 2- n. to obturator internus 3- int. pudendal vessels 4- pudendal n.

nerves of gluteal region

1-superior gluteal n. 2-inferior gluteal n. 3 -sciatic n 4-post. cut. n. of thigh 5-n. to Quadratus femoris 6-n. to obturator internus 7-pudendal n.

From where	superior gluteal n.	inferior gluteal n. :
Origin	-arise inside pelvis from sacral plexus	- arise inside pelvis from sacral plexus
Pass	-pass through greater sciatic foramen above piriformis -pass () gluteus medius & minimus	-pass through greater sciatic foramen below piriformis
Supply	- supply gluteus medius & minimus & tensor fascia lata	-supply gluteus maximus

