Inferior Gemellus Muscle

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1 Overview

Muscle	Origin	Insertion	Innervation	Action	
Inferior	Ischial	Medial surface	Nerve	to Hip :	ER,
Gemellus	tuberosity	of greater	Quadratus	Extension,	
		trochanter	femoris	Abduction	
		via obturator	L5 - S1		
		internus tendon			

2 Origin

Ischial tuberosity

3 Insertion

Joins obturator internus tendon to medial surface of greater trochanter

4 Innervation

Nerve to quadratus femoris (L5, S1)1

5 Action

- Hip: Extension, ER, and Stabilization
 - (also active in abduction, depending on the joint's position)

6 Notes

"The gemellus superior and inferior (from the Latin root geminus, meaning twins) are two, small, nearly identically sized muscles with proximal attachments on either side of the lesser sciatic notch (see Fig. 12.43). Each muscle blends in with the central tendon of the obturator internus

for a common attachment to the femur. Immediately below the gemellus inferior is the quadratus femoris muscle. This flat muscle arises from the external side of the ischial tuberosity and inserts on the posterior side of the proximal femur. In cases of abnormal bony morphology, this muscle may become impinged between the lesser trochanter and ischium, typically during motions that involve the extremes of external rotation.212 If chronic and repetitive, this clinically termed "ischiofemoral impingement" may cause groin and buttock pain along with abnormal MR signaling from the qua dratus femoris muscle"

- 1. Aung HH, Sakamoto H, Akita K, Sato T. Anatomical study of the obturator internus, gemelli and quadratus femoris muscles with special reference to their innervation. *The Anatomical Record.* 2001;263(1):41-52. doi:10.1002/ar.1075
- 2. Neumann DA, Kelly ER, Kiefer CL, Martens K, Grosz CM. *Kinesiology of the Musculoskeletal System: Foundations for Rehabilitation*. 3rd ed. Elsevier; 2017.