

Anatomy & Physiology: Muscles—Semimembranosus.

STRUCTURE.

- Origin: ischial tuberosity of pelvis.
- Insertion: posterior aspect of the medial tibial condyle of the tibia.

FUNCTION.

- Concentric action: accelerate knee flexion, hip extension, and tibial internal/medial rotation.
- Reverse mover action: posterior tilt pelvis; thigh flexion and lateral rotation; ipsilateral rotation and ipsilateral elevation of pelvis.
- Eccentric action: decelerates knee extension, hip extension, and tibial external/lateral rotation.
- Isometric action: stabilization of knee and lumbo-pelvic hip complex.
- Innervation: tibial nerve.
- Arterial supply: inferior gluteal artery, obturator artery.

CLINICAL SIGNIFICANCE.

References

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