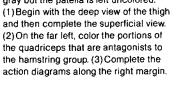
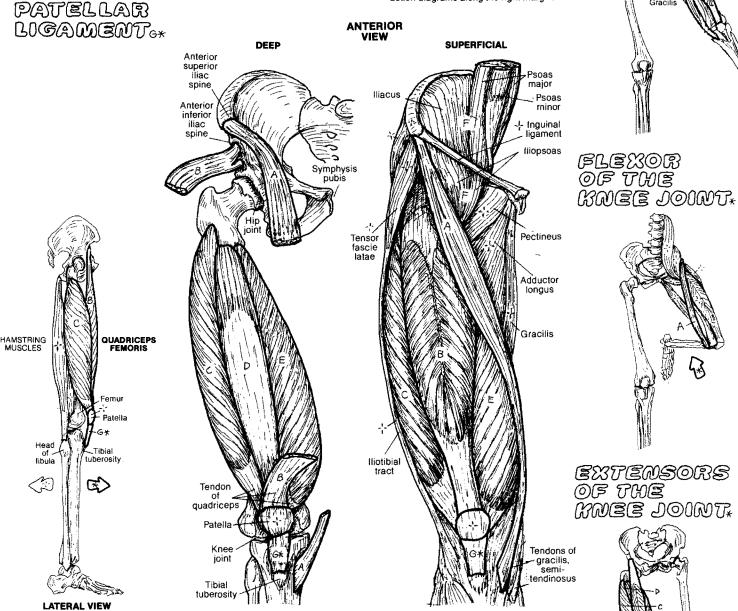
V. MUSCULAR SYSTEM / LOWER LIMB MUSCLES OF ANTERIOR THIGH

SARTORIUSA QUADRICEPS FEMORIS: RECTUS FEMORIS: vastus lateralis: Vastus intermedius, Vastus Medialise ILIOPSOAS,

NOP JOINT. CN: The patellar ligament (G) is colored gray but the patella is left uncolored.





The sartorius ("tailor's" muscle: so-called because of the role of this muscle in enabling a crossed-legs sitting posture) is a flexor and lateral rotator of the hip joint, and a flexor of the knee joint, as you can infer from its illustrated attachments. The quadriceps femoris muscle arises from four heads. The vastus medialis and lateralis arise from the linea aspera on the posterior aspect of the femur; the vastus intermedius arises from the anterior femoral shaft. All four converge on to the superior aspect (base) of the patella to form the patellar tendon. Some tendon fibers continue over the patellar surface to join the ligament below. At the inferior aspect (apex) of the patella, the tendinous fibers continue to the tibial tuberosity.

The tendon between the patella and the tibial tuberosity is called the patellar ligament. Rectus femoris is a strong hip joint flexor, and is the only member of quadriceps to cross that joint. Quadriceps femoris is the only knee extensor. The significance of its role becomes crystal clear to those having experienced a knee injury; the muscles tend to atrophy and weaken rapidly with disuse, and "quad" exercises are essential to maintain structural stability of the joint. The iliopsoas is the most powerful flexor of the hip, having a broad thick muscle belly and attaching at the lesser trochanter at the proximal end of the femoral shaft. Recall Plate 42 for its posterior abdominal origin.



FLEXORS

Graci

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