

YWCA
awards

YMCA Awards

Level 3 Applied anatomy and
physiology

2018

Level 3 Applied anatomy and physiology

Muscles of the upper leg

Hamstrings group: biceps femoris, semimembranosus, semitendinosus



Biceps Femoris



Semimembranosus



Semitendinosus

Origin

All three muscles: Ischium

Short head of biceps femoris:

half way down posterior surface of femur

Insertion

Semimembranosus, semitendinosus: tibia

Biceps femoris: head of fibula

Joints crossed

Knee and hip

Joint action

Knee flexion

Hip extension

Quadriceps: rectus femoris, vastus medialis, intermedius, lateralis



Rectus Femoris



Vastus Intermedius



Vastus Medialis



Vastus Lateralis

Origin

Rectus femoris: iliac spine and top of acetabulum

Vastus medialis/intermedius/lateralis: femur

Insertion

Front of tibia via patella tendon

Joints crossed

Knee and hip (rectus femoris is the only quadriceps to cross both hip and knee joints)

Joint action

All four muscles extend the knee

The rectus femoris also flexes the hip

YWCA
awards

