

PTA/OTA 106 Regional A & P Unit 3

Upper and Lower Extremities

GBlevins/Fall 2015



Knee (Tibiofemoral) joint:

A. Ligaments:

Knee:

Quadriceps femoris tendon
Oblique popliteal ligament
Tibial collateral ligament
Anterior cruciate ligament
Transverse ligament

Patellar ligament
arcuate popliteal ligament
Fibular collateral ligament
Posterior cruciate ligament

B. Bursae:

Prepatellar bursa
Suprapatellar bursa

Deep Infrapatellar bursa
Subcutaneous infrapatellar bursa

C. Cartilage:

Lateral meniscus

Medial meniscus

D. Bones:

Knee:

Femur:

Lateral condyle
Medial condyle
Intercondylar fossa

Lateral epicondyle
medial epicondyle

Tibia:

Lateral condyle
Tibial tuberosity

Medial condyle
Intercondylar eminence

Fibula:

Head

Patella:

E. Clinical concerns:

Torn ACL

F. Surface Anatomy:

Knee:

Popliteal fossa:

Patella

Medial head of Gastrocnemius
Soleus
Biceps femoris tendon
Vastus lateralis

Lateral head of Gastrocnemius
Semimembranosus tendon
Semitendinosus tendon
Vastus medialis

G. Muscles:

Rectus femoris
Biceps femoris
Vastus medialis
Semitendinosus
Popliteus

Vastus intermedialis
Vastus lateralis
Semimembranosus
Gastrocnemius

H. Nerves:

Femoral nerve
Tibial nerve
Deep fibular (peroneal) nerve

Sciatic nerve
Superficial fibular (peroneal) nerve

J. Arteries:

Femoral artery
Anterior tibial artery
Dorsalis pedis
Inferior gluteal artery
Medial circumflex femoral artery

Popliteal artery
Posterior tibial artery
Fibular (peroneal)
Lateral circumflex femoral artery

K. Veins:

Anterior tibial vein
Fibular (peroneal vein)
Femoral vein
Great saphenous vein

posterior tibial vein
Popliteal vein
Small saphenous vein

