LOWER EXTREMITY

www.fisiokinesiterapia.biz
OUTLINE

- Hip Trauma
- Knee Degeneration
- Ankle Vascular Injury
- Sports Injury
AP HIP

- Femoral Head
- Acetabulum
- Femoral Neck
- Greater Trochanter
- Fovea Capitis
- Lesser Trochanter
- Cortical Bone
- Medullary Bone
INTERTROCHANTERIC FRACTURE
POST OPERATIVE REPAIR
CT SCAN PELVIS

ACETABULAR FRACTURE
AVASCULAR NECROSIS
BONE DENSITY MEASUREMENT
NUCLEAR MEDICINE

Image not for diagnosis
00ma:Hi-Res Fast DPXIO 0.6x1.2mm 1.68mm
783093:448237 275.22:205.11:146.15
%Fat = 19.1(1.354) Neck Angle = 55
ANGLE OF INCLINATION

Coxa Vara

Coxa Valga
TRANSVERSE MRI OF RIGHT THIGH
DESCRIBE THE FRACTURE

BONE AND WHICH PART

- FRACTURE ORIENTATION AND PARTS
- DISPLACEMENT AND ANGULATION
- JOINT INVOLVEMENT
There is an oblique fracture through the diaphysis of the femur with approximately 1cm of lateral and anterior displacement of the distal fragments relative to the proximal fragments. There is no angulation at the fracture margin. There is some shortening due to unopposed muscle pull. The fracture does not extend into the joint.
AP PELVIC ARTERIOGRAM

1. ABDOMINAL AORTA
2. COMMON ILLIAC ARTERY
3. INTERNAL ILLIAC ARTERY
4. EXTERNAL ILLIAC ARTERY
5. COMMON FEMORAL ARTERY
6. LUMBAR ARTERY
CONVENTIONAL ANGIOGRAM

1= Common femoral artery
2= Superficial femoral artery
3= Profunda femoral artery (Deep artery of the thigh)
4= Lateral femoral circumflex artery
1. COMMON FEMORAL ARTERY
2. PROFUNDA FEMORIS ARTERY
   (Deep artery of the thigh)
3. SUPERFICIAL FEMORAL ARTERY
LOWER EXTREMITY ARTERIOGRAM

POPLITEAL ARTERY
4. POPLITEAL ARTERY
5. ANTERIOR TIBIAL ARTERY
6. POSTERIOR TIBIAL ARTERY
7. FIBULAR ARTERY
SUPERFICIAL FEMORAL ARTERY ARTERIOGRAM
Occluded SFA fills by collateal vessels from the Profunda circulation.
ARTERIAL CALCIFICATION
LEFT LOWER LEG VENOGRAM

1. POPLITEAL VEIN
2. FEMORAL VEIN
3. PROFUNDA FEMORAL VEIN
4. GREAT SAPHENOUS VEIN
VENOGRAM
AP projection

Popliteal vein
Calf veins
Tendon Rupture
Which One?
PATELLA FRACTURE

NORMAL
QUADRACEPS TENDON INJURY

Patella tendon injury
ANTERIOR CRUCIATE LIGAMENT INJURY
POST OPERATIVE LIGAMENT REPAIR
POSTERIOR CRUCIATE LIGAMENT INJURY

normal
MENISCUS

NORMAL

TORN
WHAT IS MY AGE?
AP TIBIA & FIBULA
(LOWER LEG)
Fractures through the medial and lateral malleoli.
AP FOOT

PP = proximal phalanx
MP = middle phalanx
DP = distal phalanx
MT = metatarsal
cun = cuneiform

sesamoids
navicular
cuboid
talus
calcaneus
Fibularis brevis (Peroneal)

Fibularis longus
PATIENT FELL OFF OF A LADDER

CALCANEAL FRACTURE
DIABETIC OSTEOMYELITIS
BONE SCAN
OSTEOMYELITIS
GOUT

Uric acid crystals