

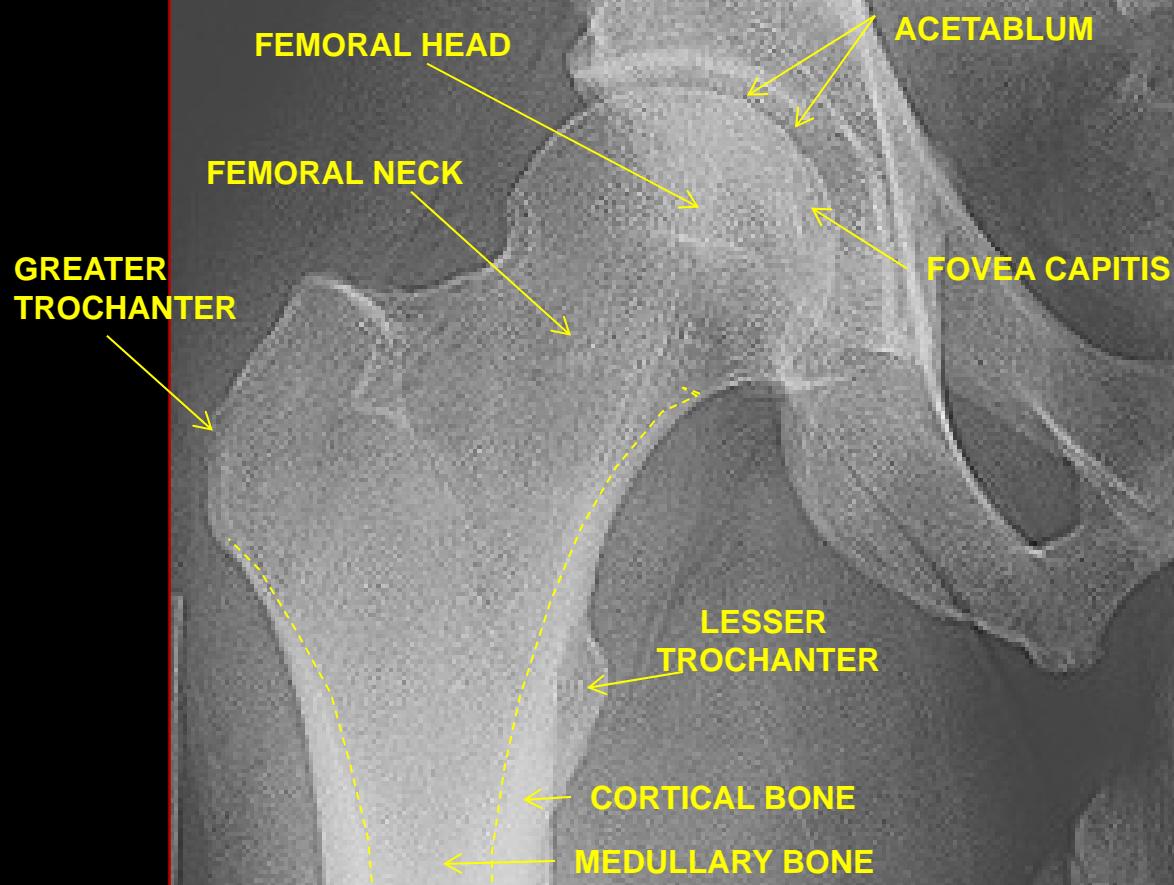
LOWER EXTREMITY

www.fisiokinesiterapia.biz

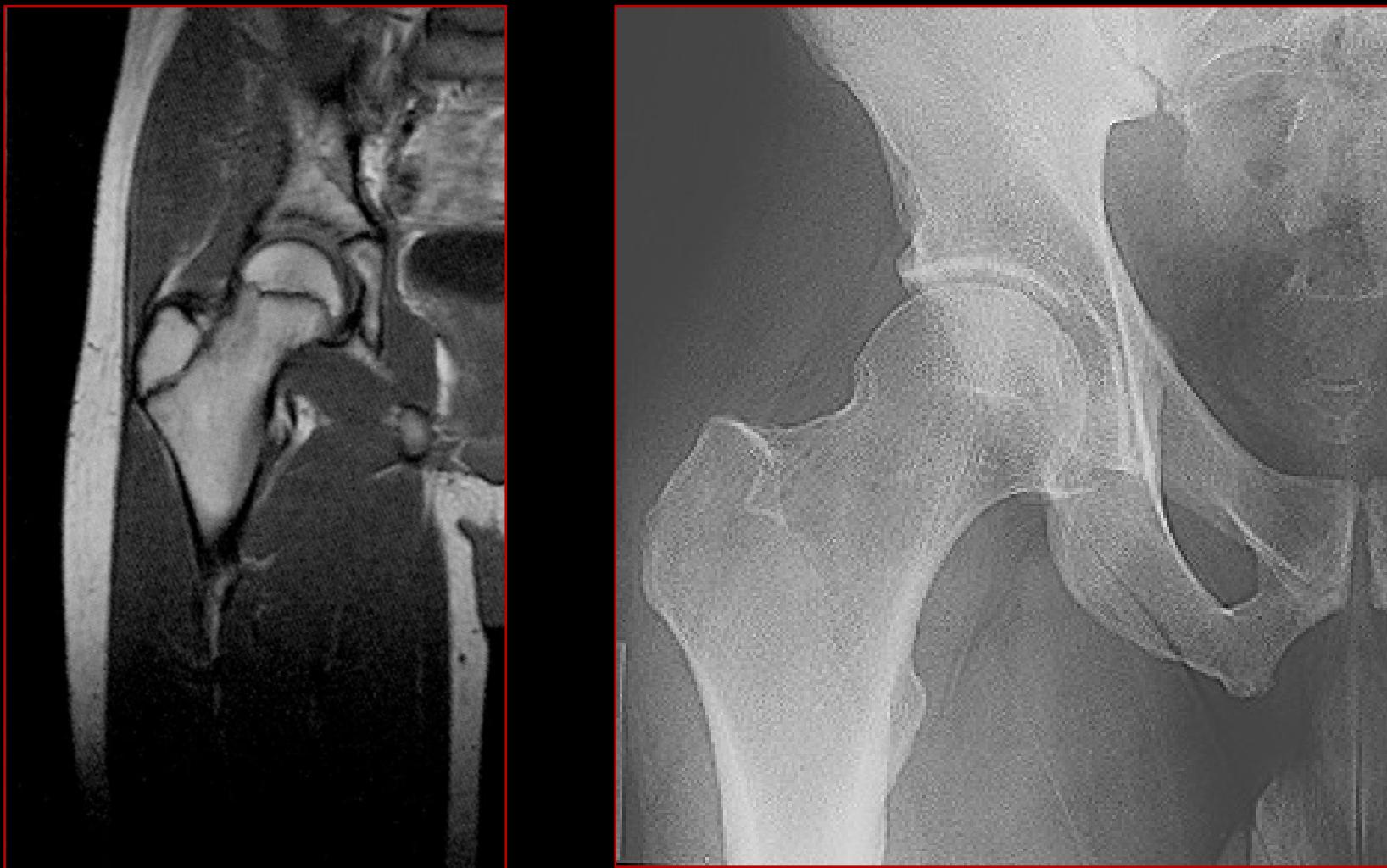
OUTLINE

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

AP HIP

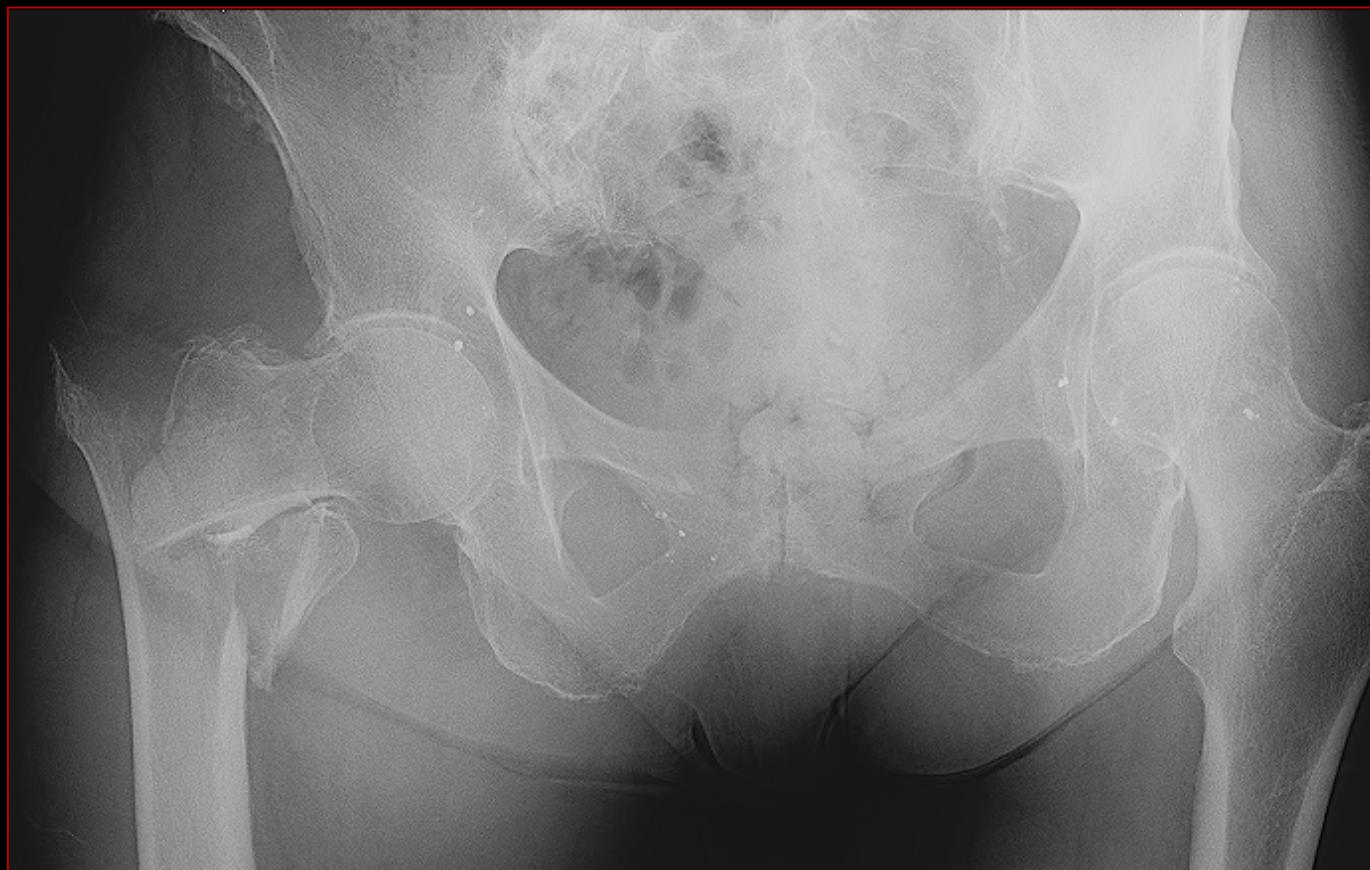


CORONAL MRI



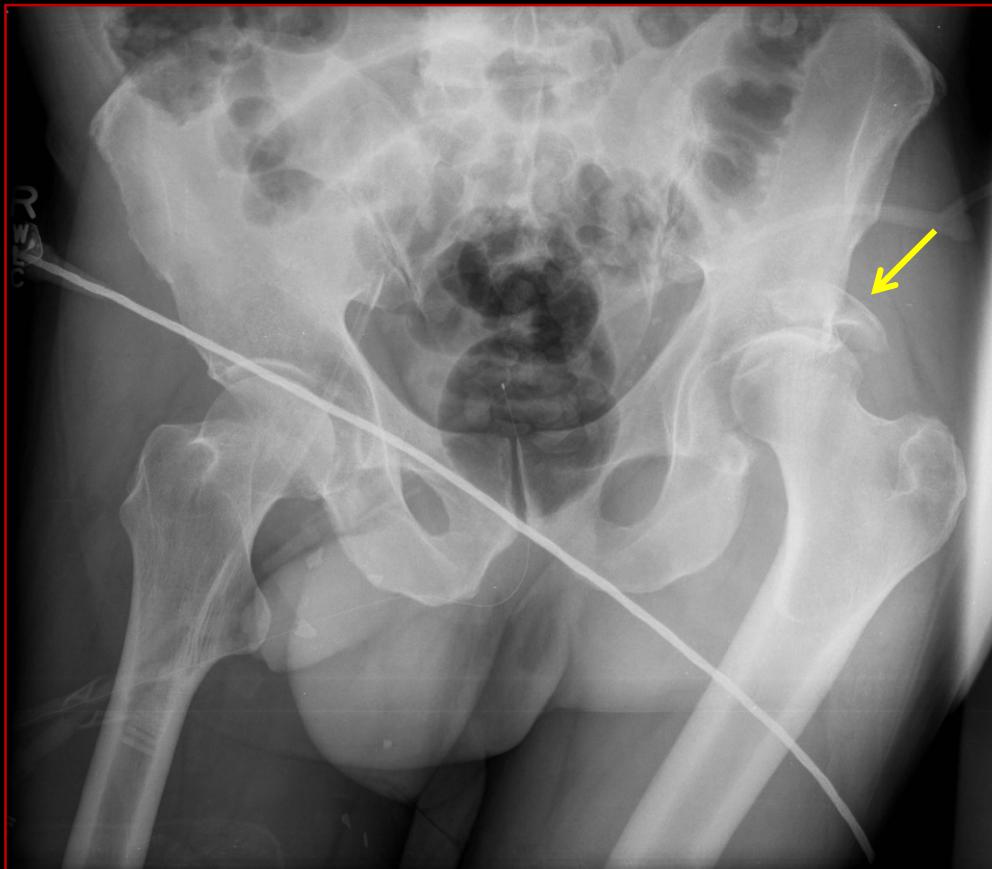
RT. HIP

INTERTROCHANTERIC FRACTURE





**POST OPERATIVE
REPAIR**

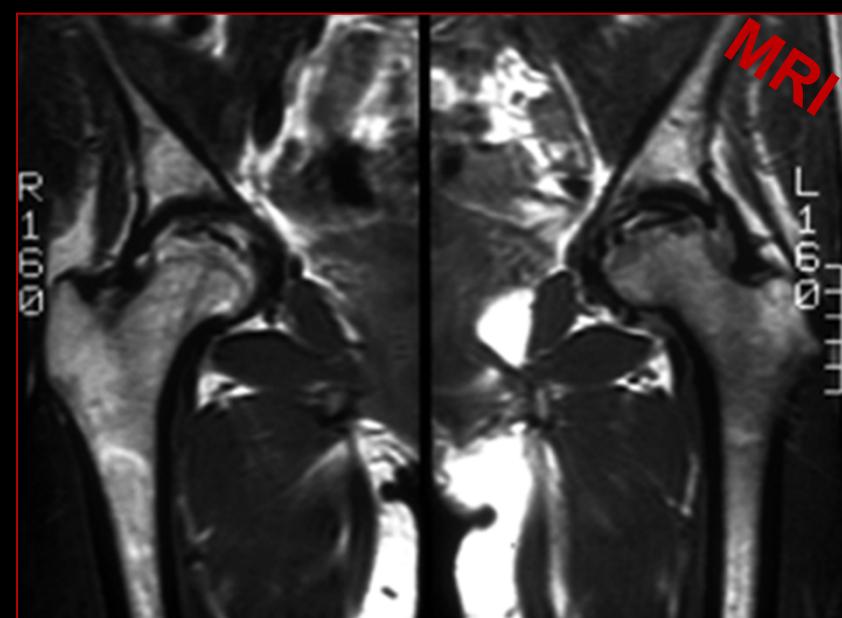
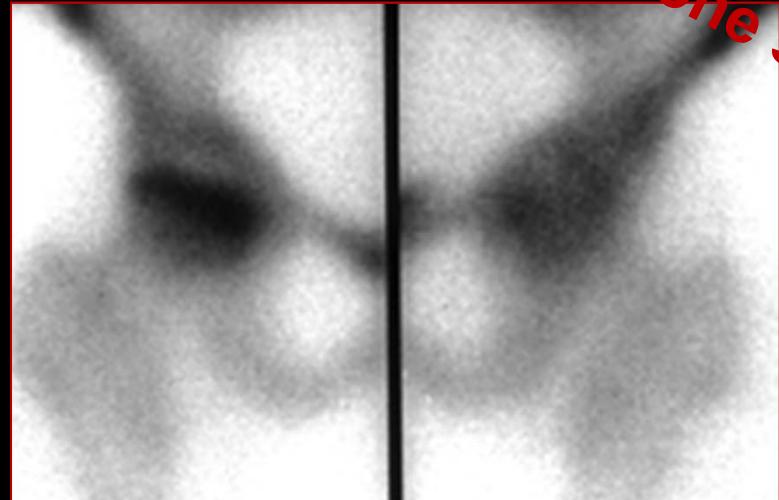


**ACETABULAR
FRACTURE**

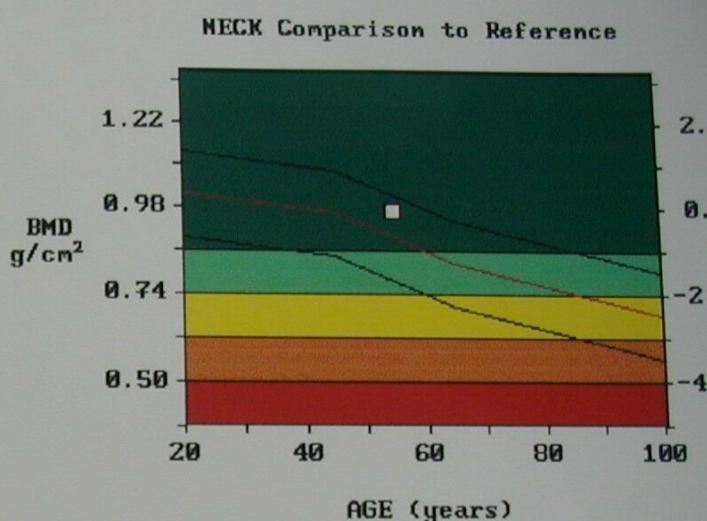
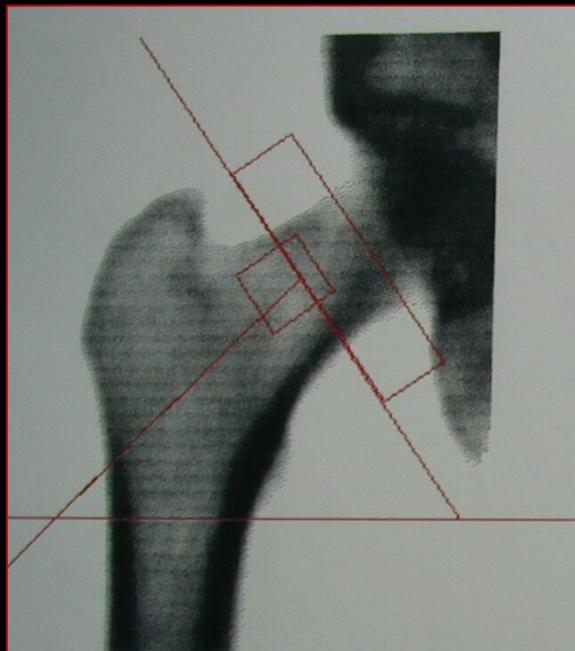
CT SCAN PELVIS



AVASCULAR NECROSIS



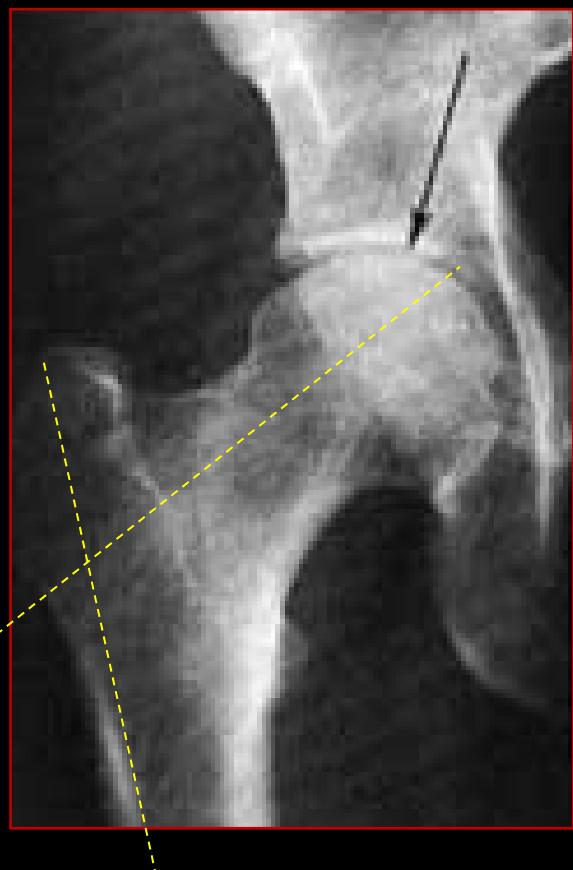
BONE DENSITY MEASUREMENT NUCLEAR MEDICINE



Region	BMD ^{1,7} g/cm ²	Young-Adult ² % T-Score	Age- % T-Score
NECK	0.969	99 -0.1	109

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

ANGLE OF INCLINATION

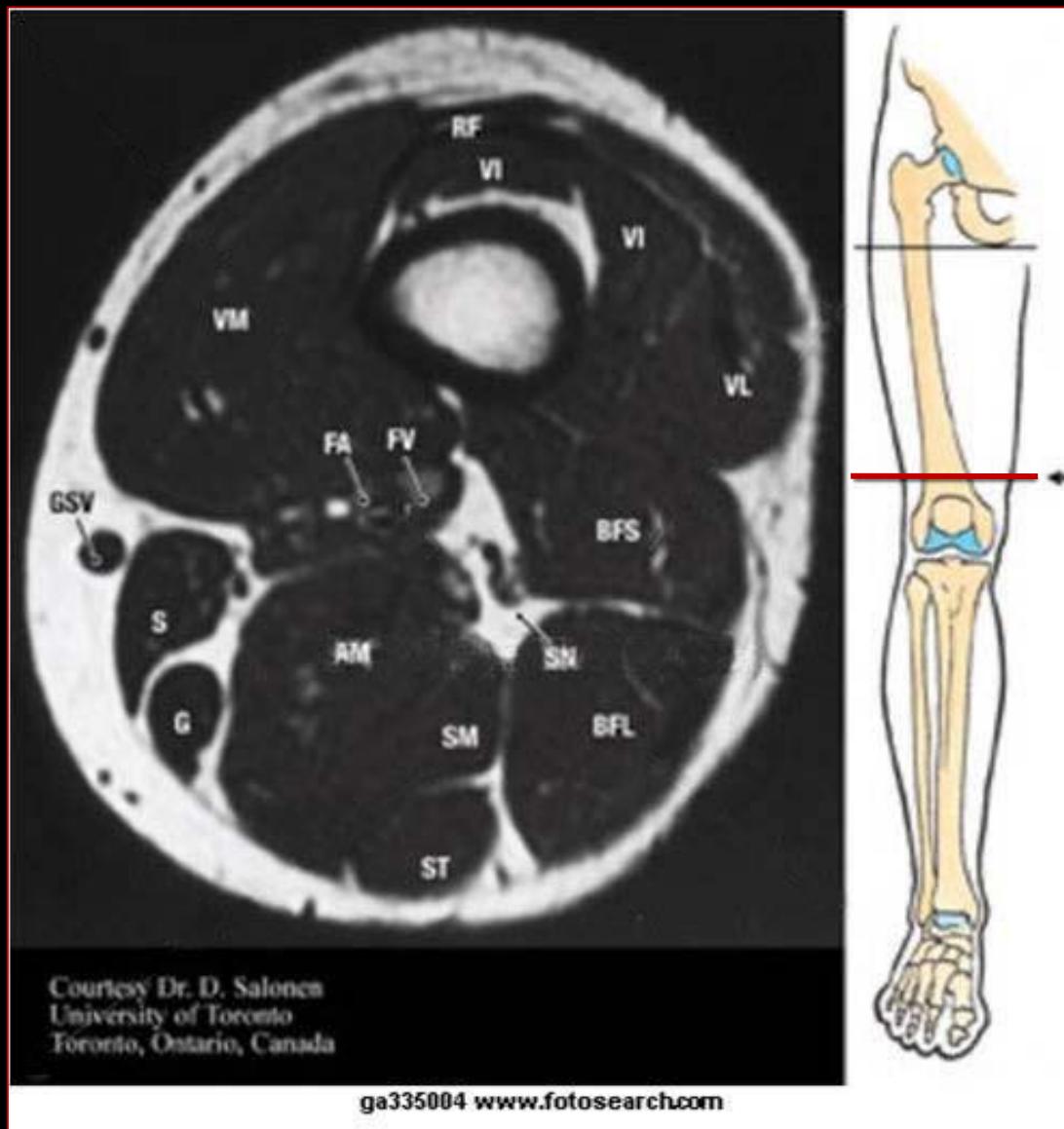


Coxa Vara



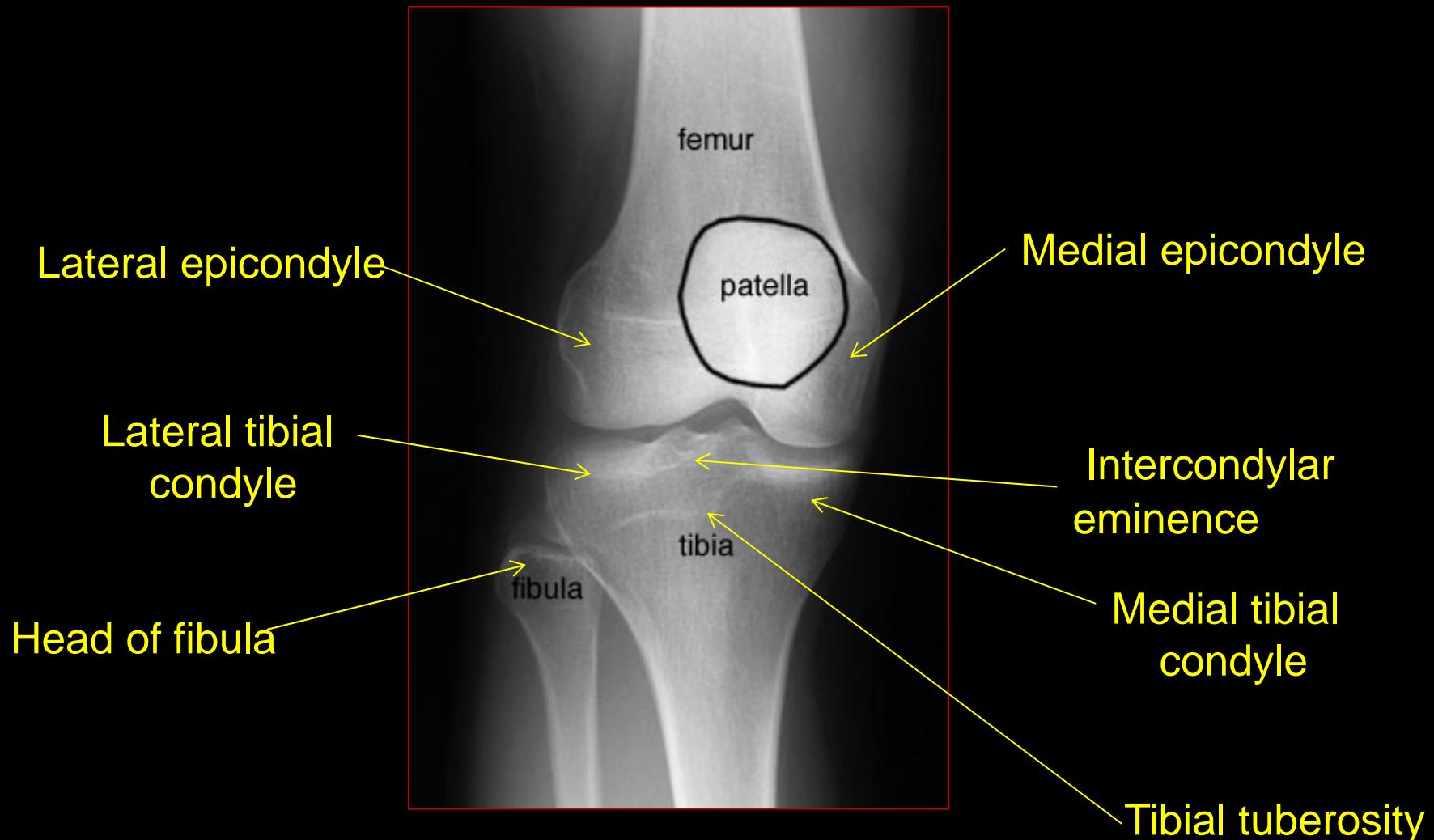
Coxa Valga

TRANSVERSE MRI OF RIGHT THIGH



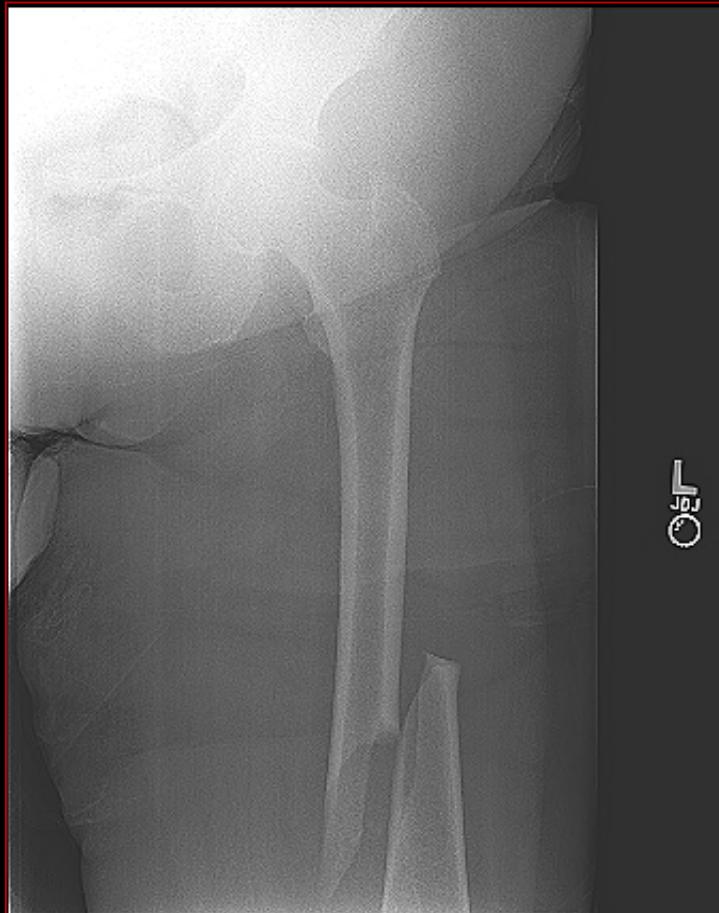
<http://www.fotosearch.com/bigcomp.asp?path=LIF/LIF137/GA335004.jpg>

DISTAL FEMUR



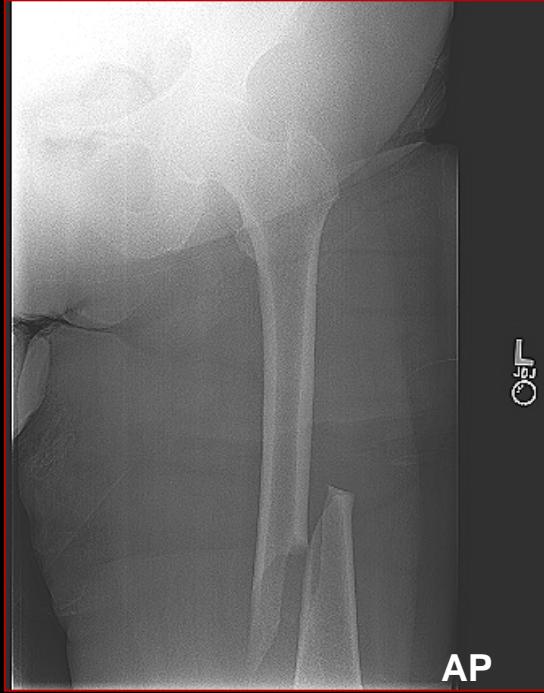
FRACTURED LT. FEMUR

AP



LAT

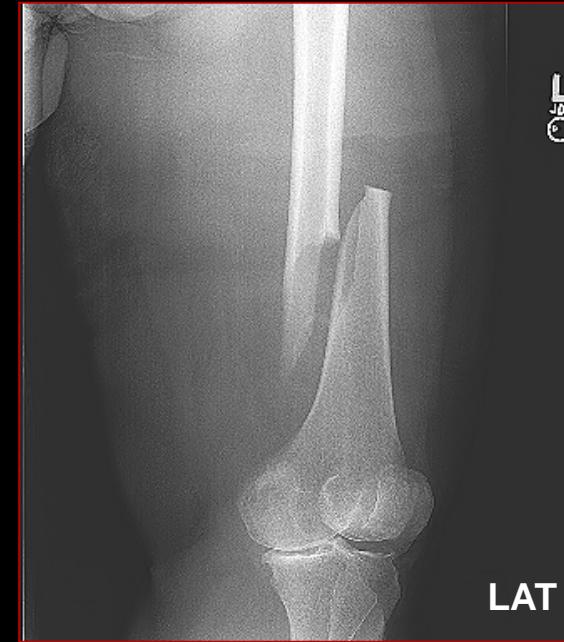




DESCRIBE THE FRACTURE

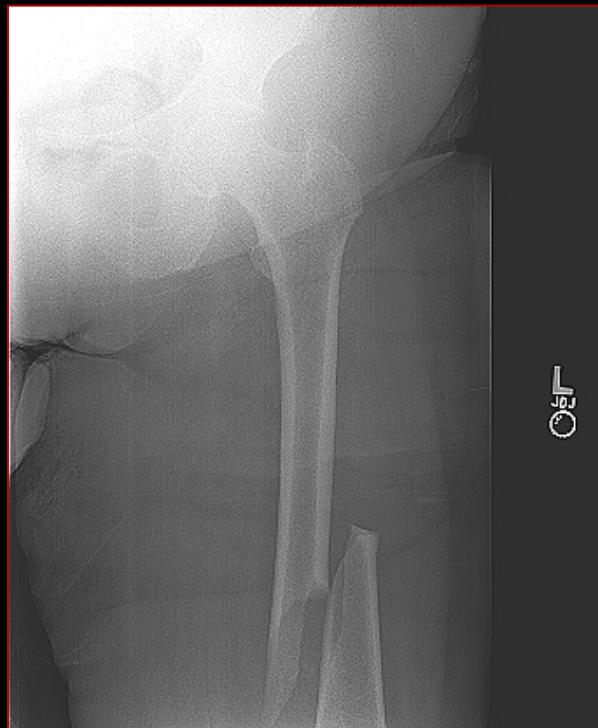
BONE AND WHICH PART

- **FRACTURE ORIENTATION AND PARTS**
- **DISPLACEMENT AND ANGULATION**
- **JOINT INVOLVEMENT**



EXAMPLE

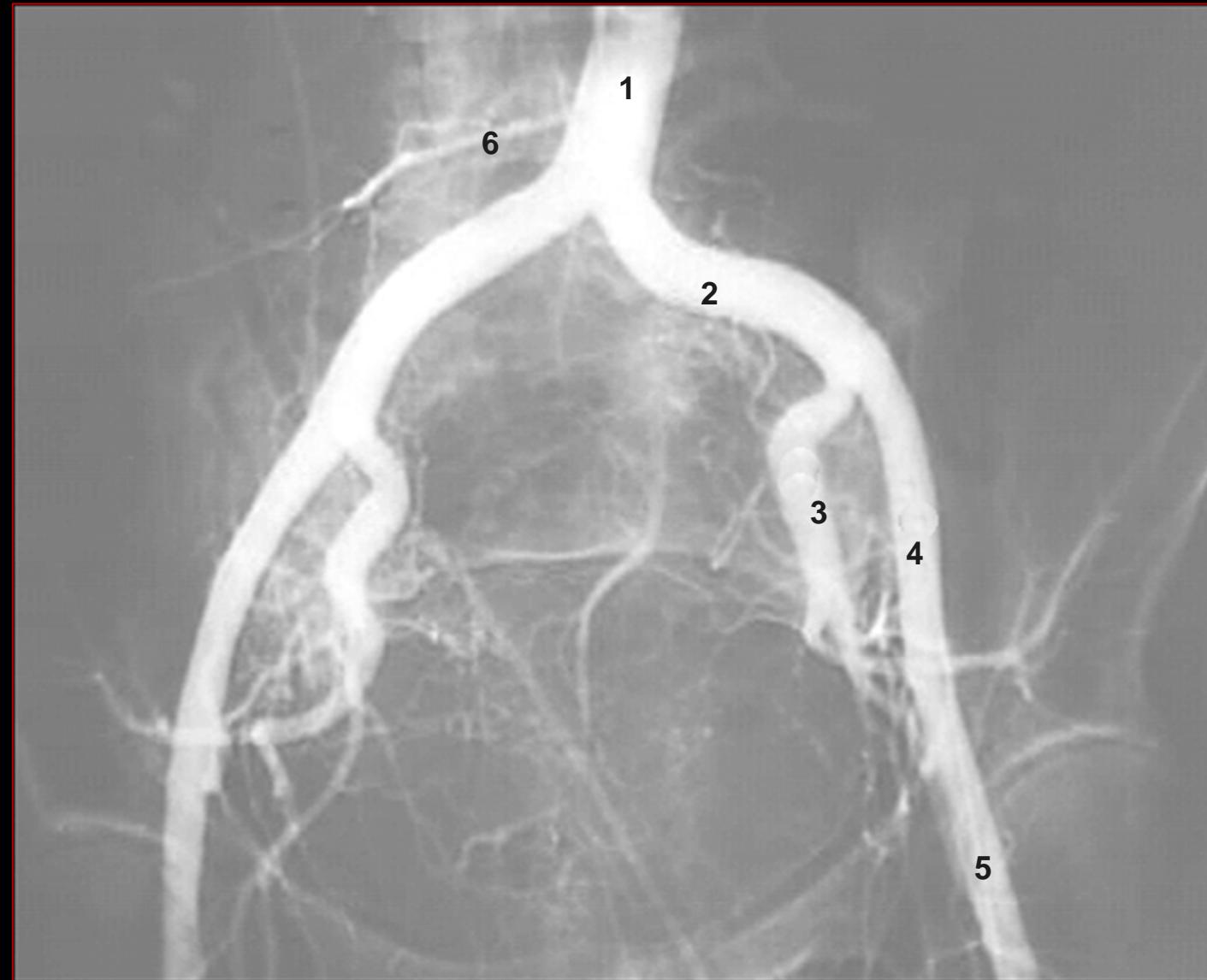
There is an oblique fracture through the diaphysis of the femur with approximately 1cm of lateral and anterior displacement of the distal fragments relative to the proximal fragments. There is no angulation at the fracture margin. There is some shortening due to unopposed muscle pull. The fracture does not extend into the joint.



INFERIOR VENA CAVAGRAM



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

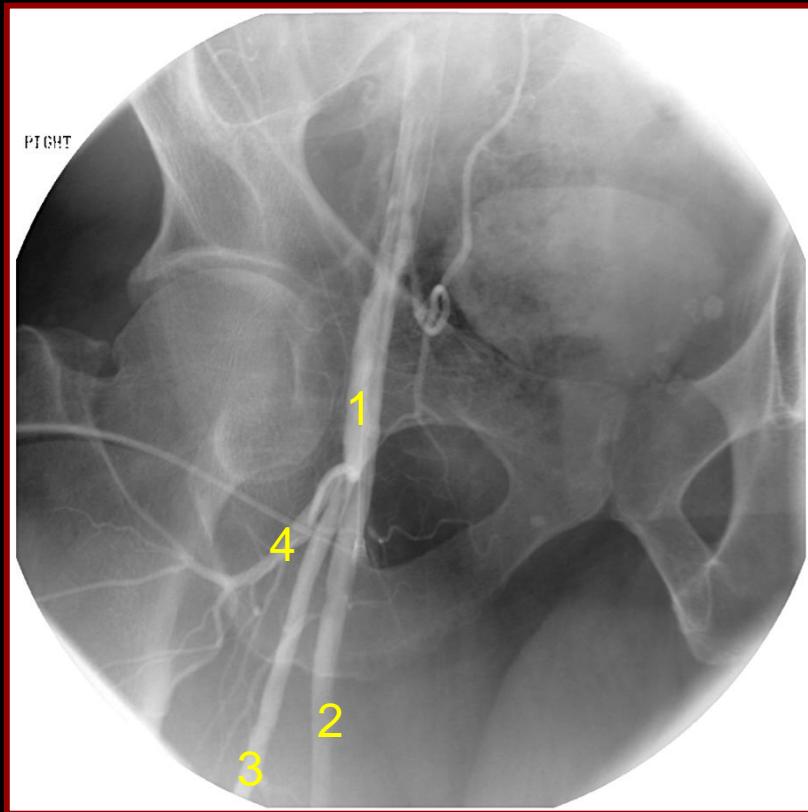
CONVENTIONAL ANGIOGRAM

1= Common femoral artery

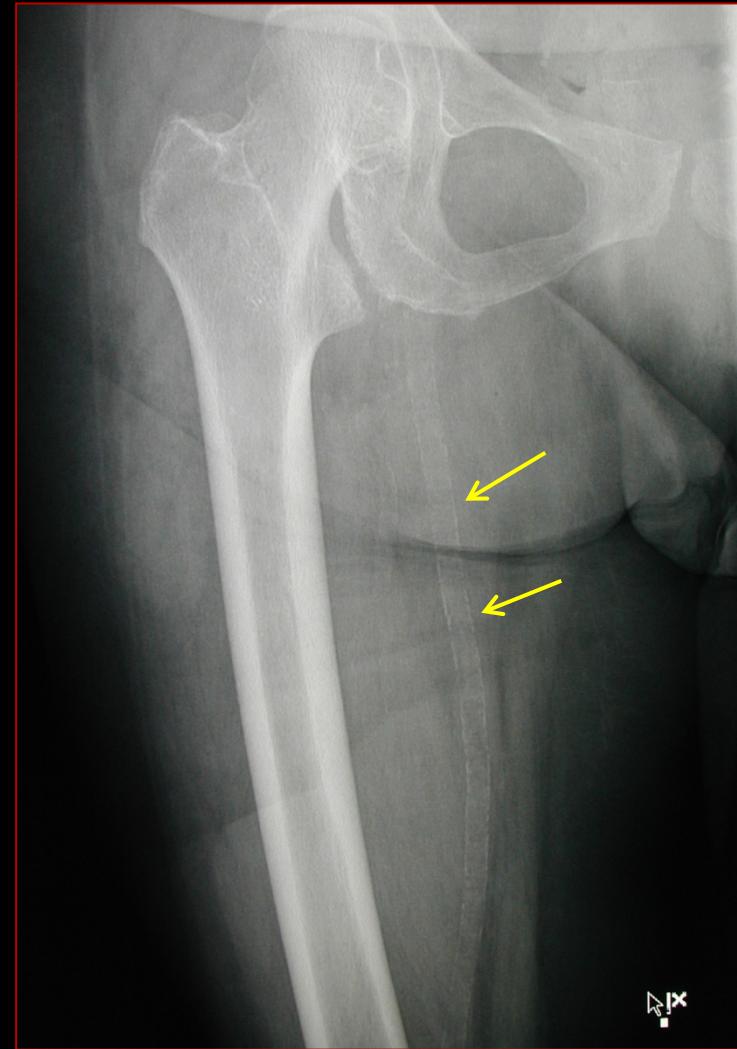
2= Superficial femoral artery

3= Profunda femoral artery (Deep artery of the thigh)

4= Lateral femoral circumflex artery



CALCIFICATIONS

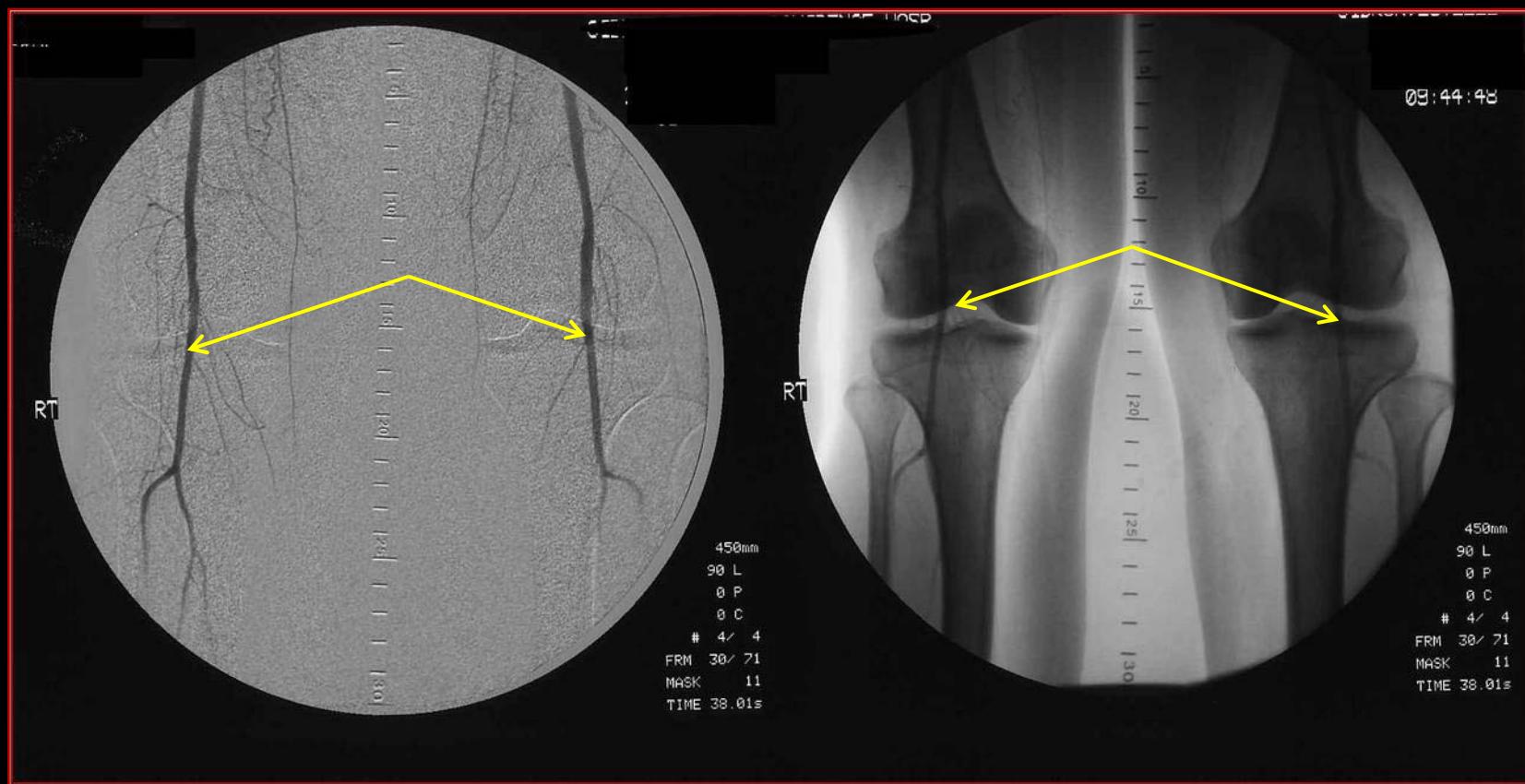


LOWER EXTREMITY ARTERIOGRAM



- 1. COMMON FEMORAL ARTERY**
- 2. PROFUNDA FEMORIS ARTERY
(Deep artery of the thigh)**
- 3. SUPERFICIAL FEMORAL ARTERY**

LOWER EXTREMITY ARTERIOGRAM



POPLITEAL ARTERY

LOWER EXTREMITY ARTERIOGRAM

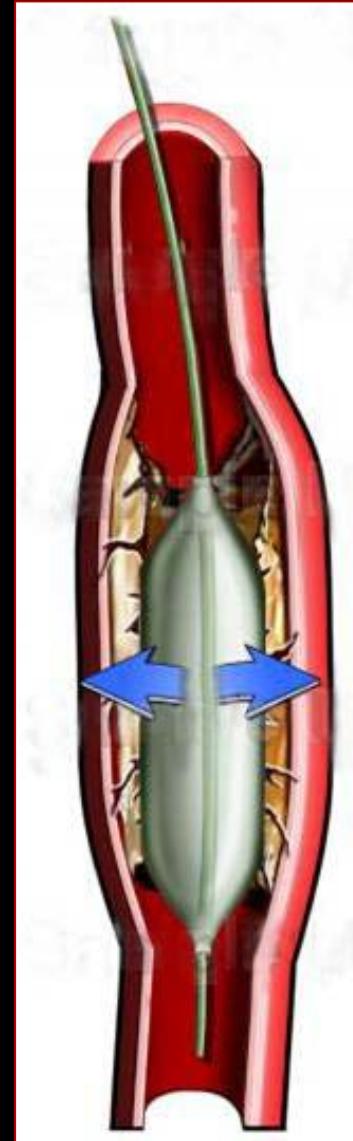


4. POPLITEAL ARTERY
5. ANTERIOR TIBIAL ARTERY
6. POSTERIOR TIBIAL ARTERY
7. FIBULAR ARTERY

SUPERFICIAL FEMORAL ARTERY ARTERIOGRAM



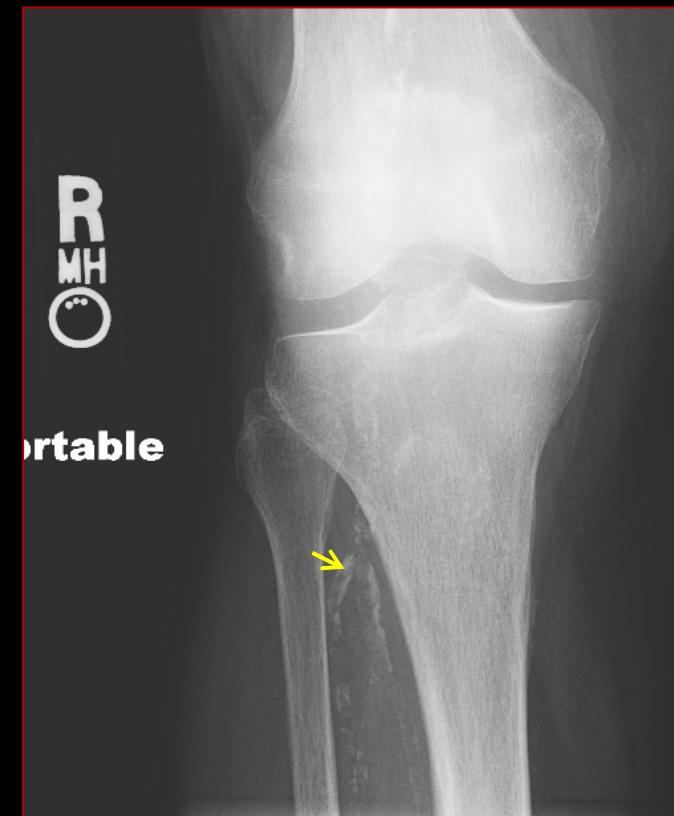
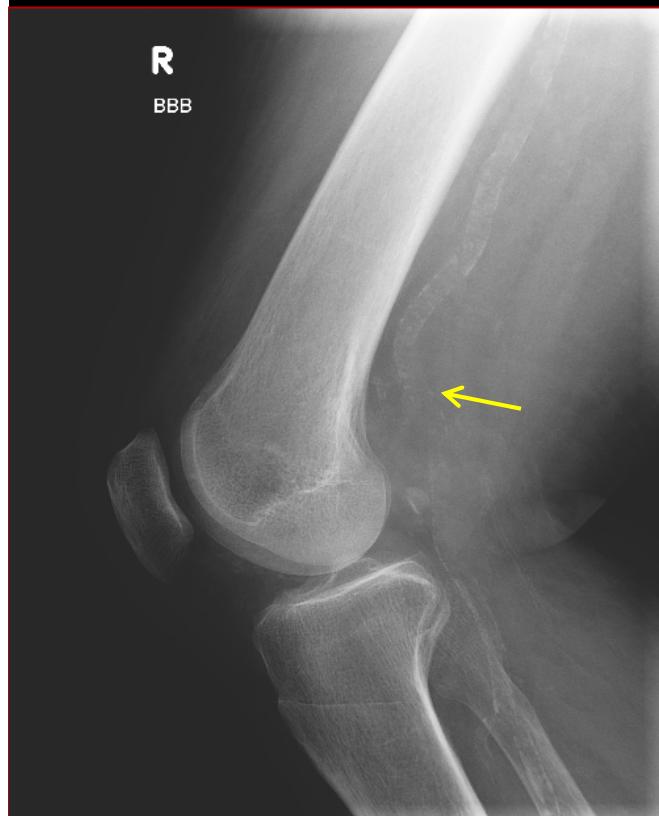
BALLOON ANGIOPLASTY OF SMA



**Occluded SFA fills by
collateal vessels from the
Profunda circulation.**



ARTERIAL CALCIFICATION



LEFT LOWER LEG VENOGRAM

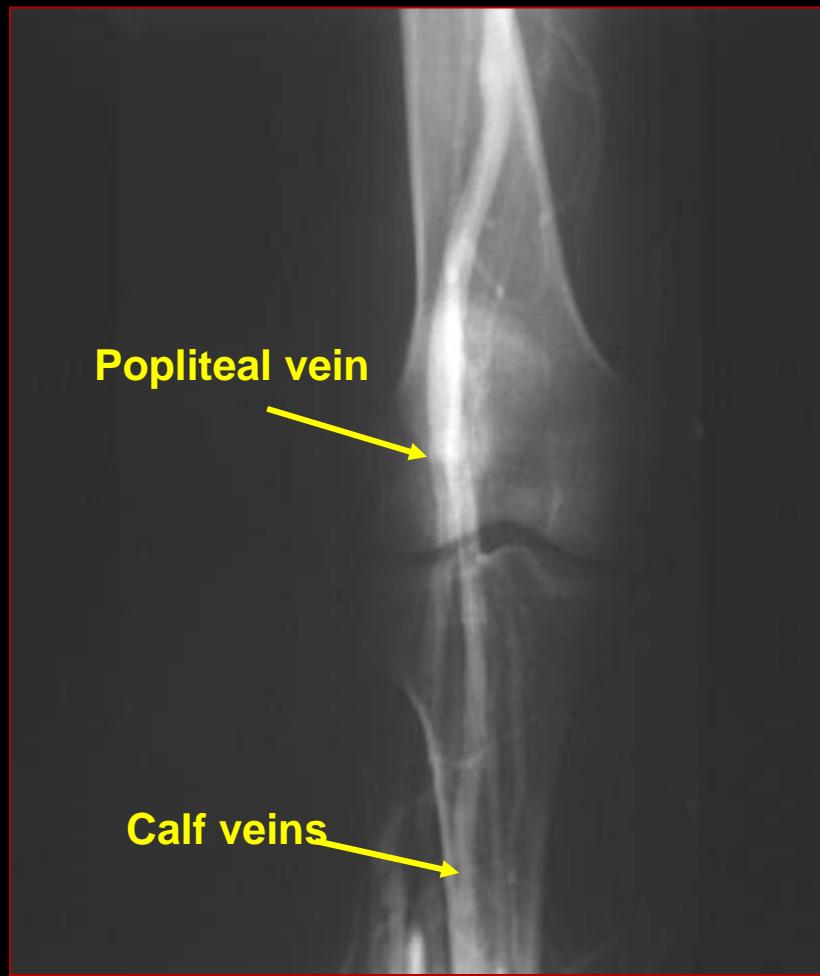


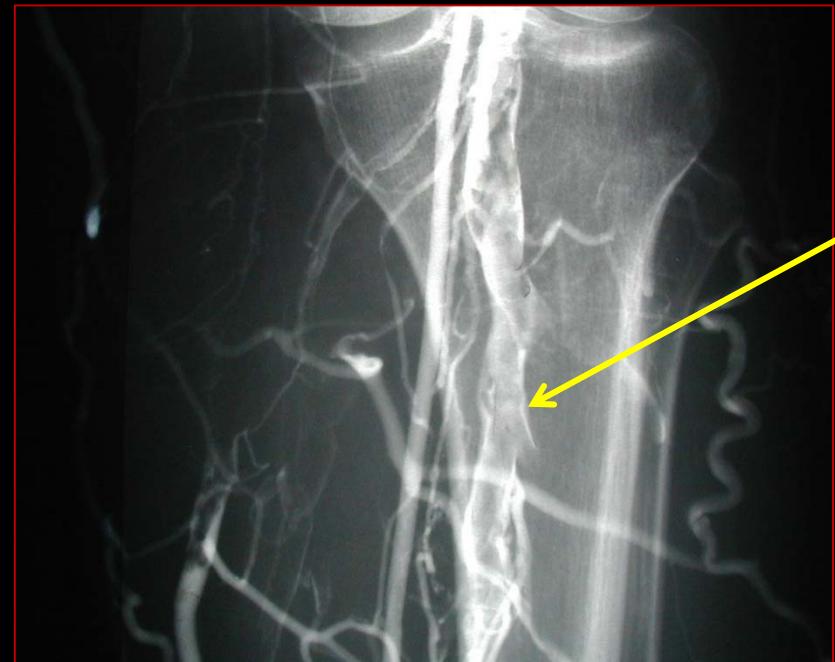
1. POPLITEAL VEIN
2. FEMORAL VEIN
3. PROFUNDA FEMORAL VEIN
4. GREAT SAPHENOUS VEIN



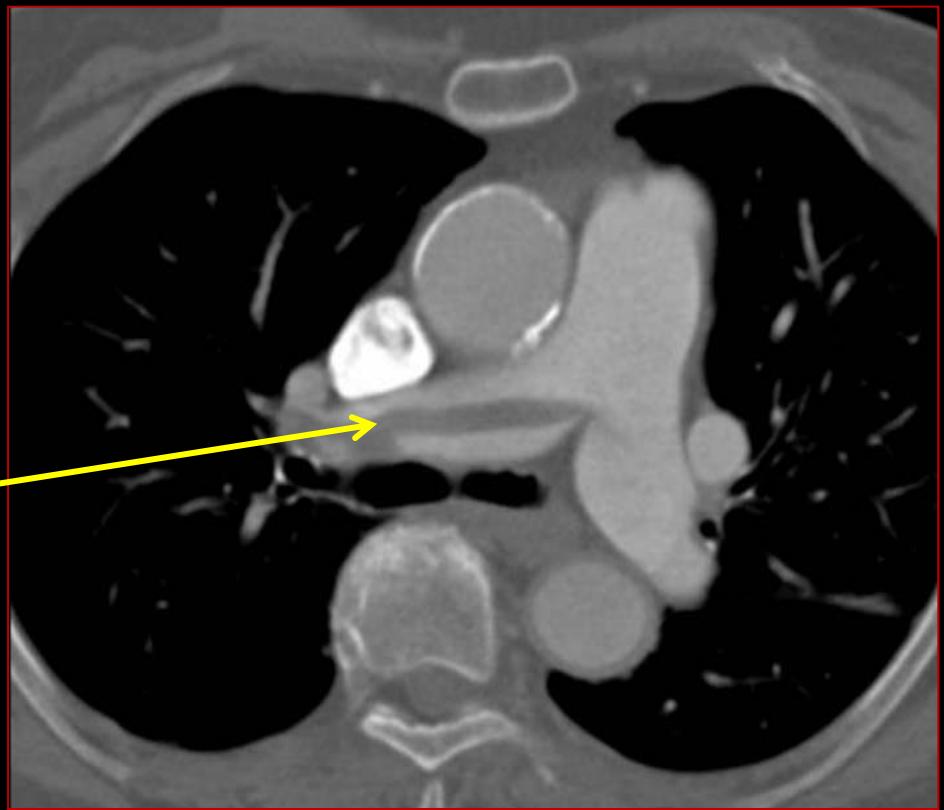
VENOGRAM

AP projection





CALF VEIN THROMBUS



**PULMONARY
EMBOLUS**

KNEE

AP



LATERAL



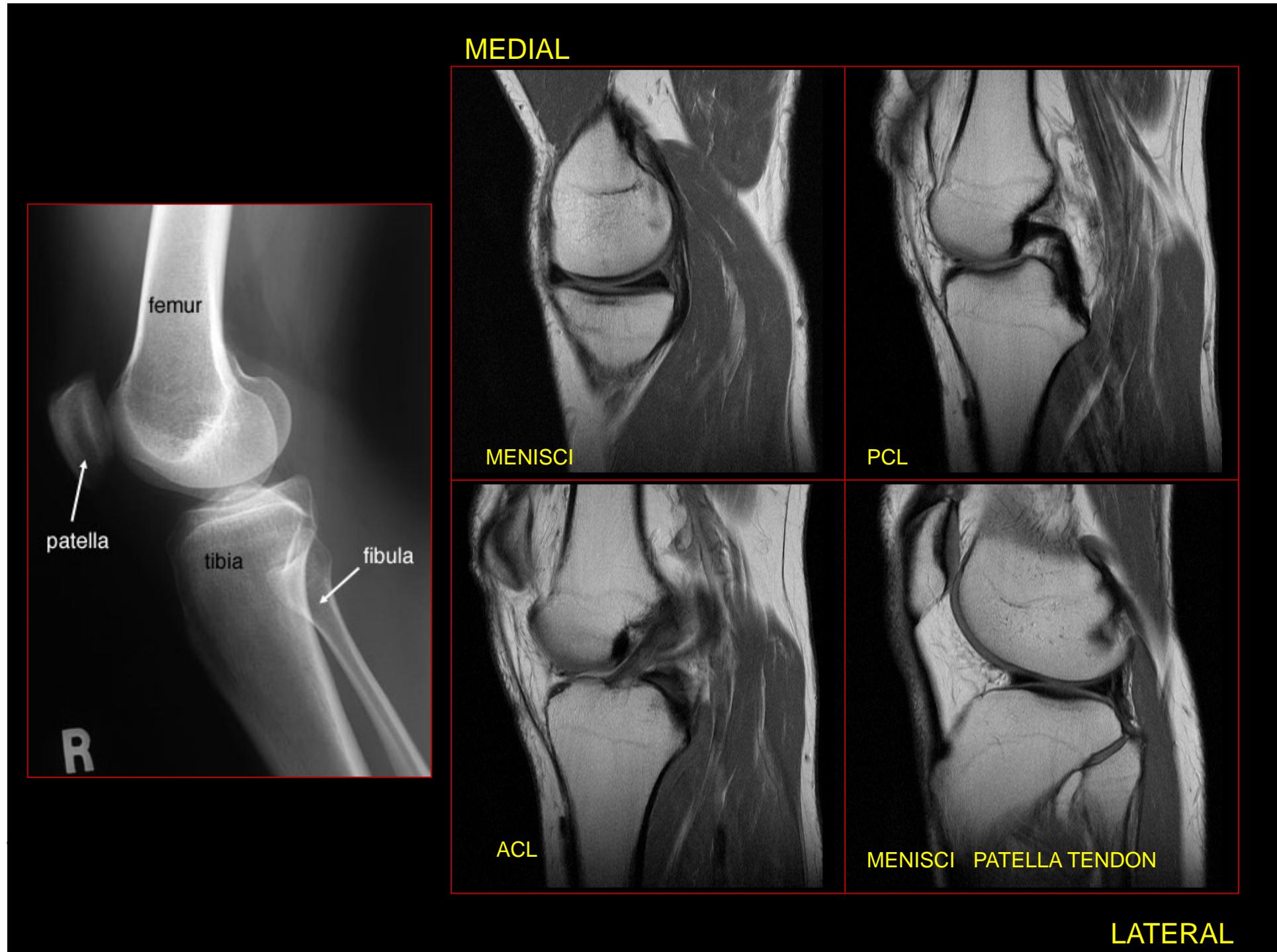
Tendon Rupture Which One?



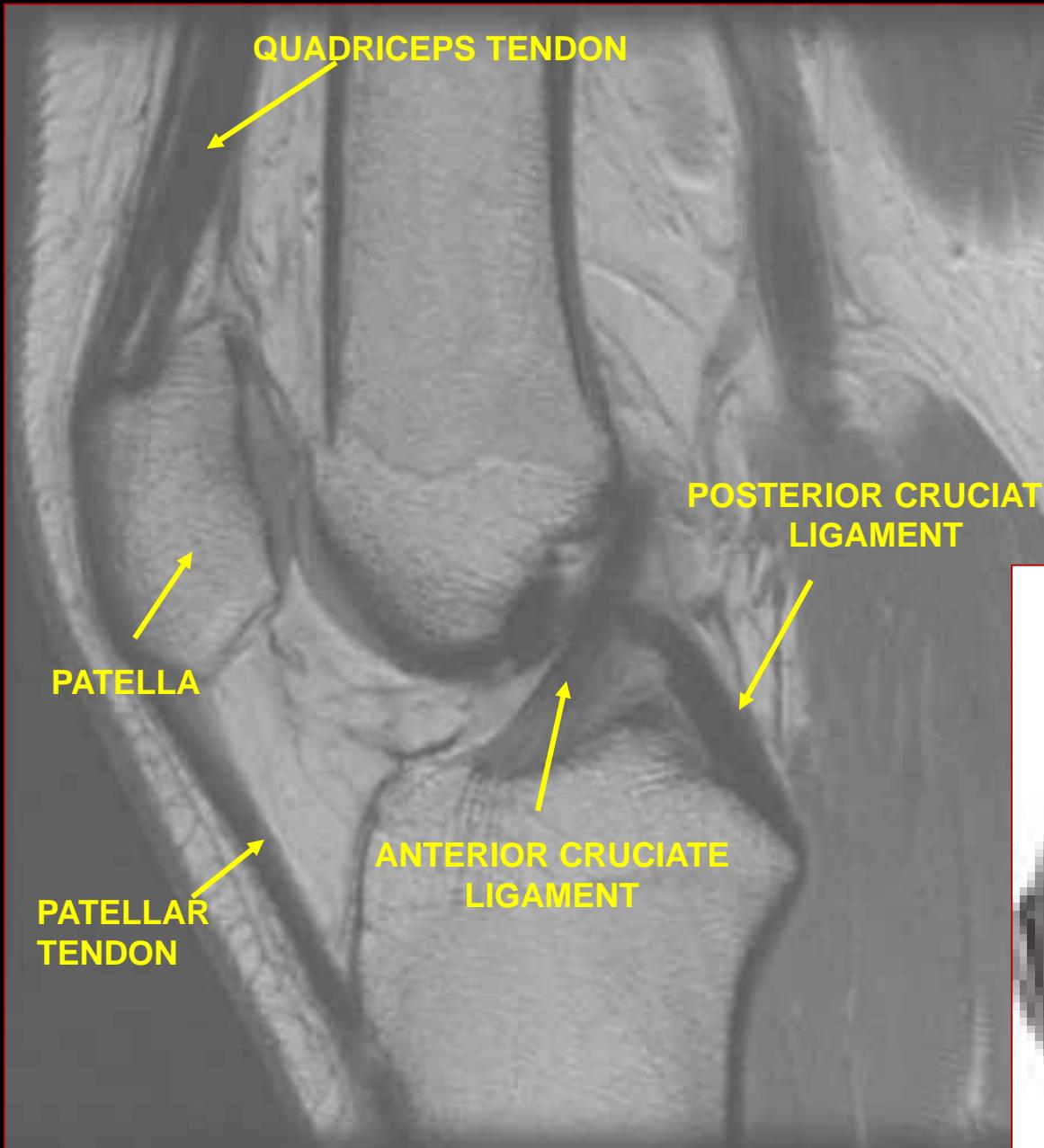
MRI RIGHT KNEE CORONAL



Scan level



SAGITAL MR KNEE (MID JOINT)



Scan level



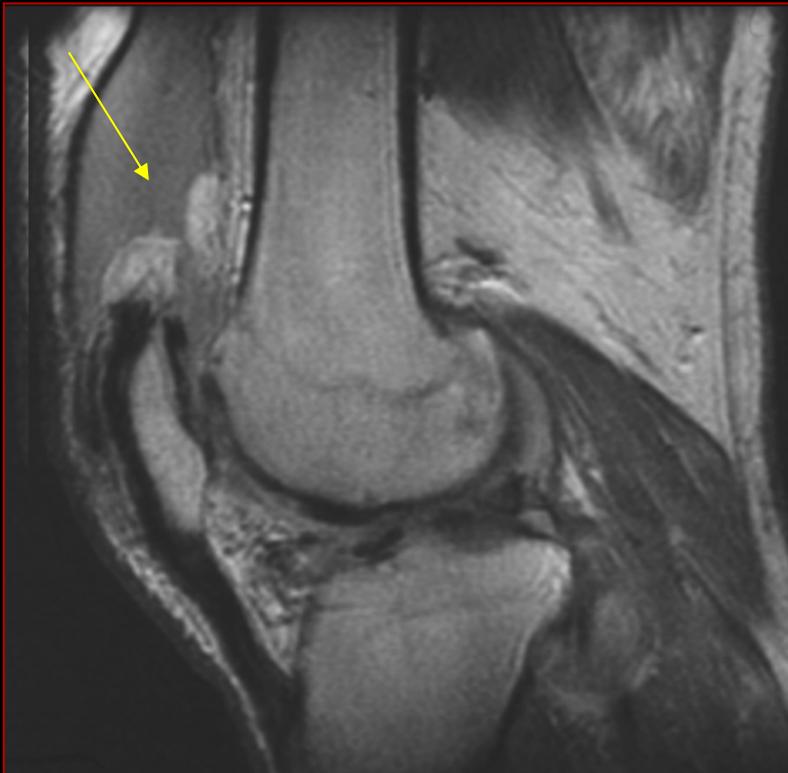
PATELLA FRACTURE



NORMAL



PATELA FRACTURE

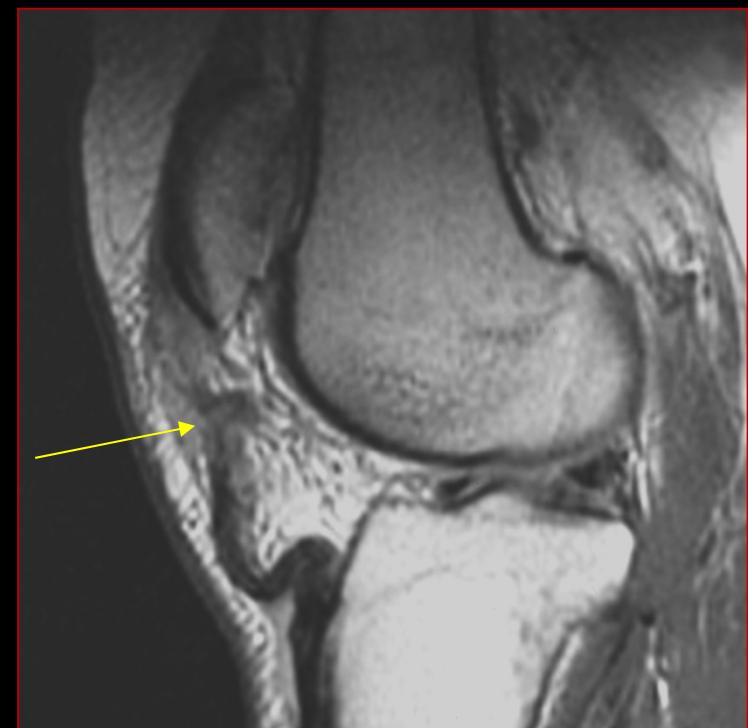


QUADRACEPS TENDON INJURY

NORMAL



Patella tendon injury





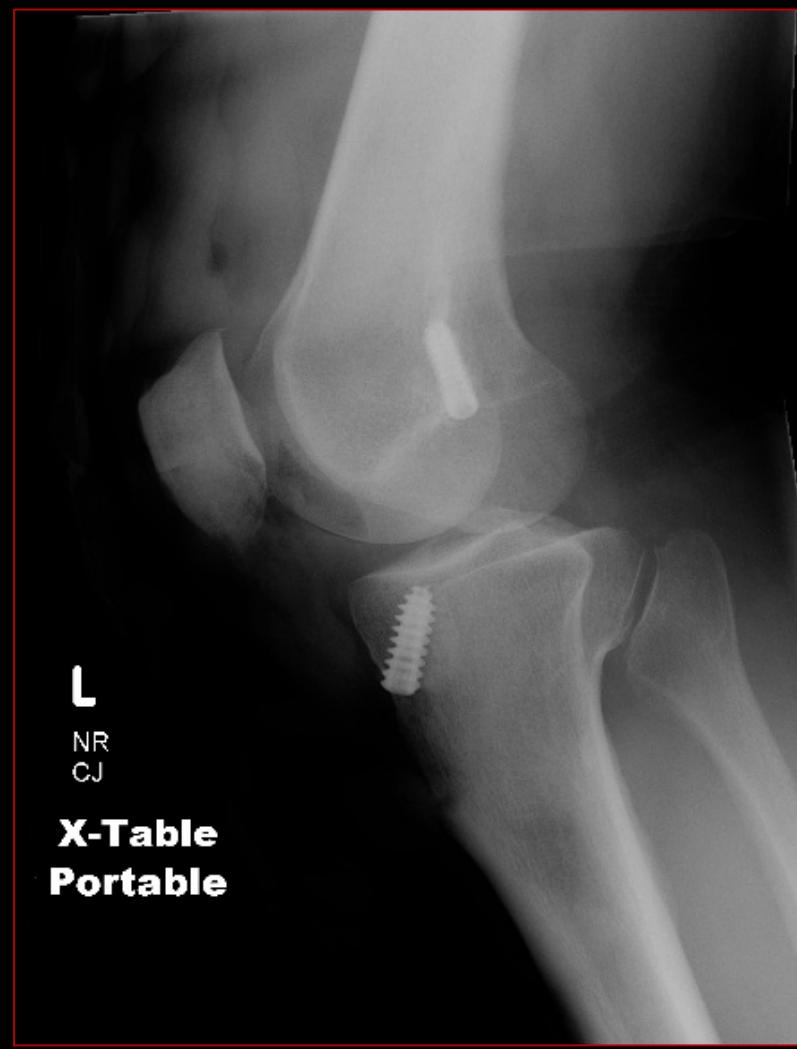
Normal

ANTERIOR CRUCIATE LIGAMENT INJURY





POST OPERATIVE LIGAMENT REPAIR



POSTERIOR CRUCIATE LIGAMENT INJURY

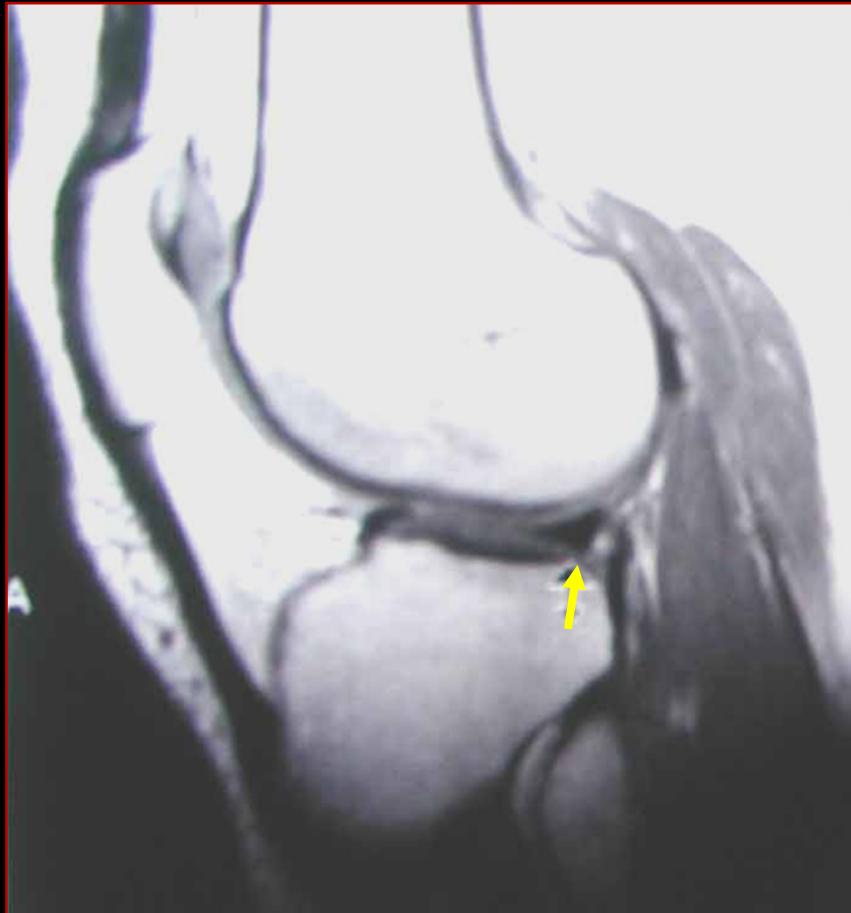


normal



MENISCUS

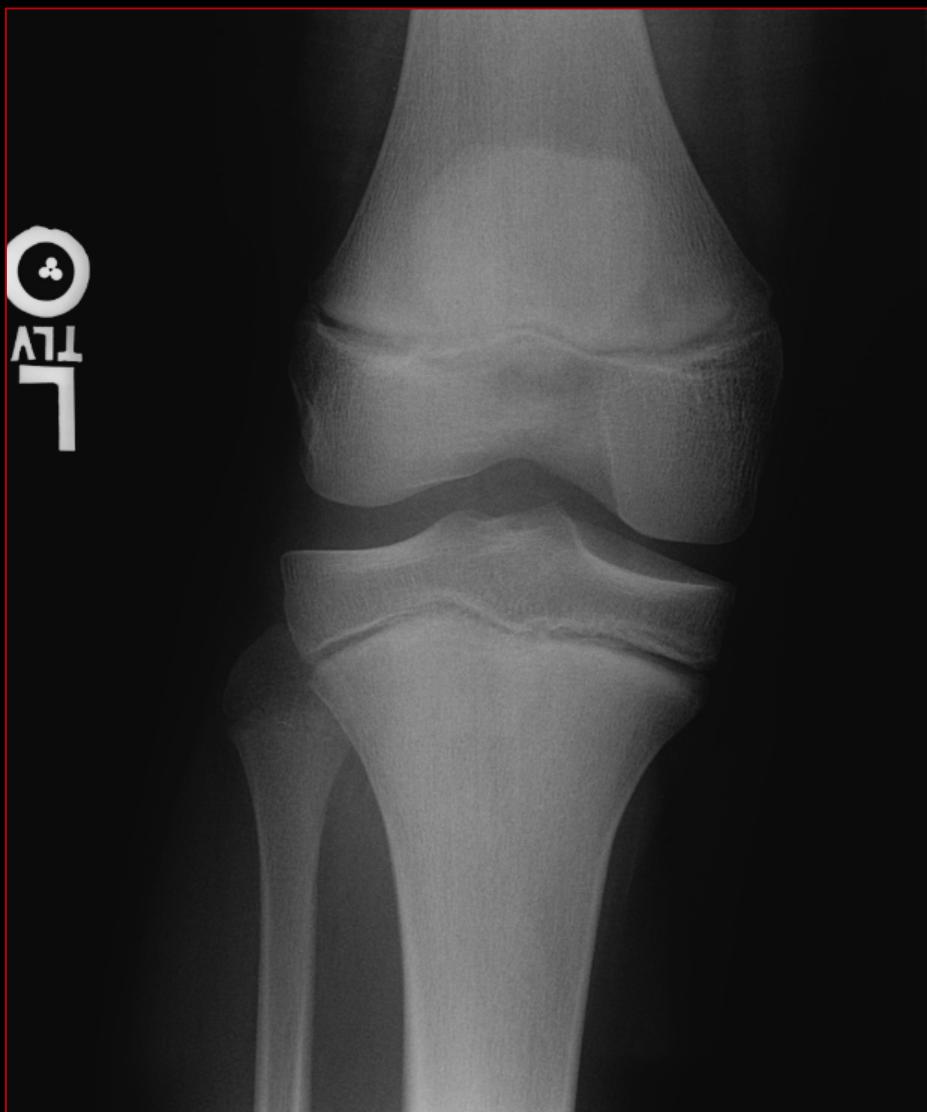
NORMAL



TORN



WHAT IS MY AGE?



TLV
L

POST OP TOTAL KNEE



BEFORE



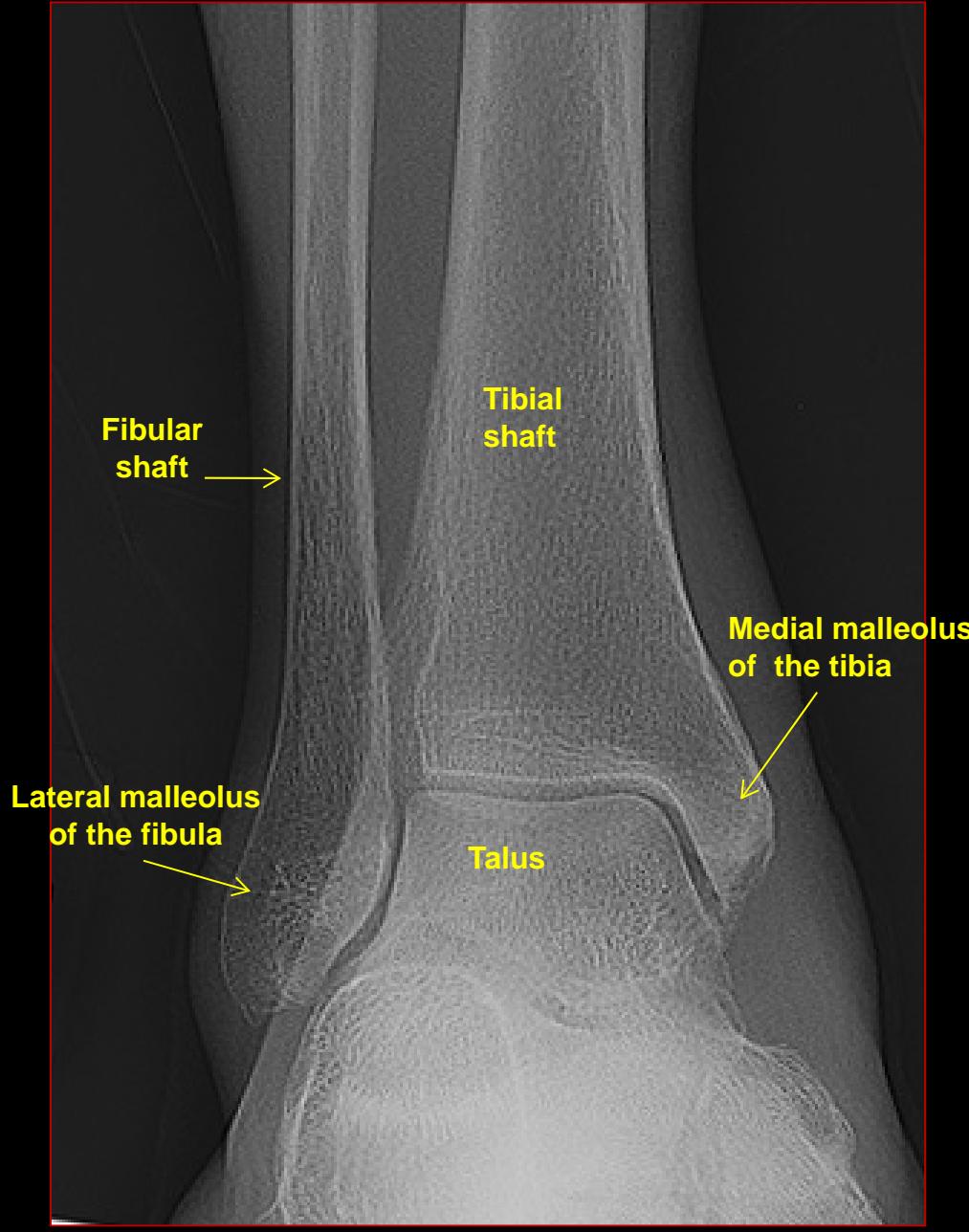
POST -OP



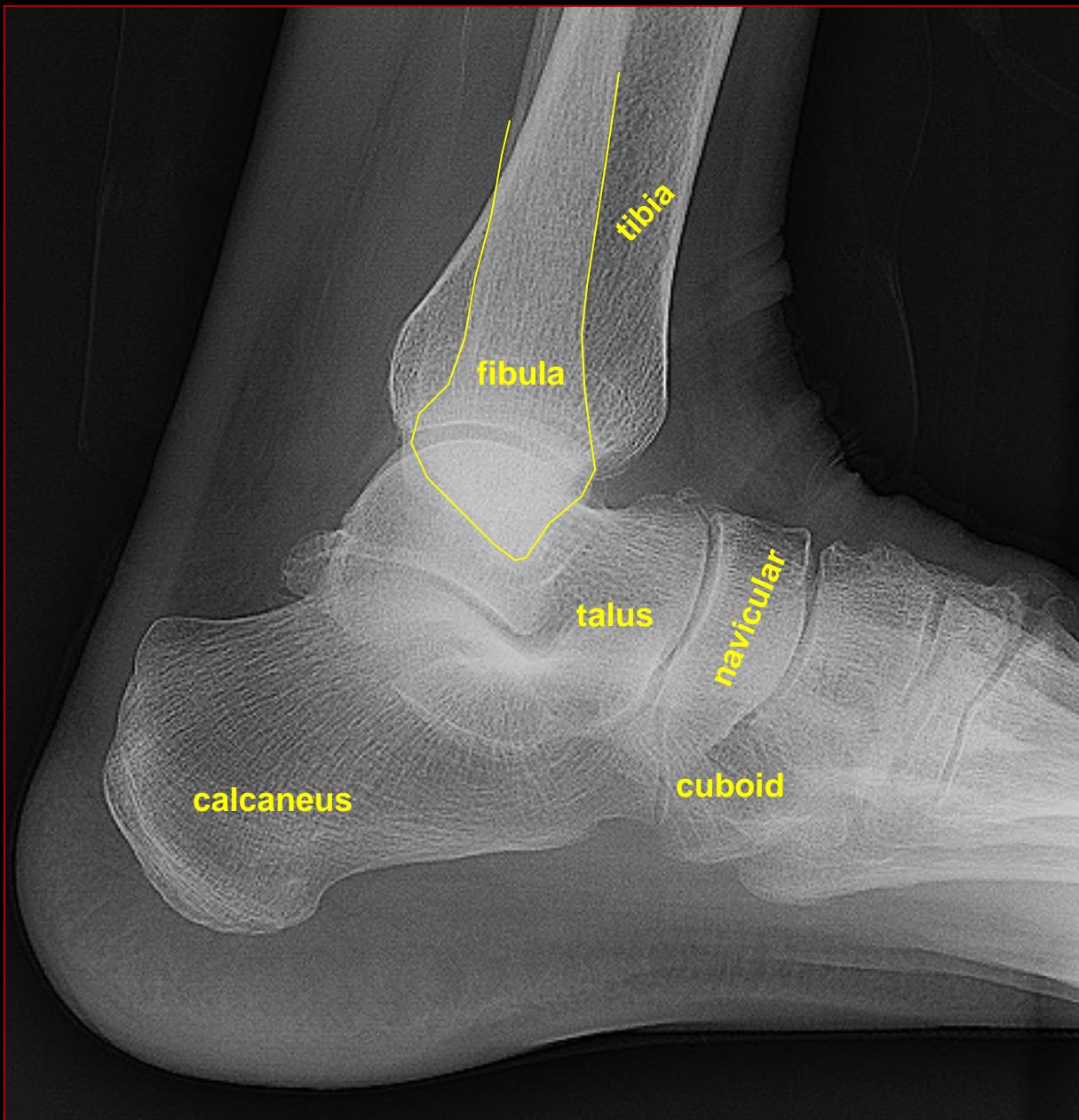


AP TIBIA & FIBULA (LOWER LEG)

AP ANKLE



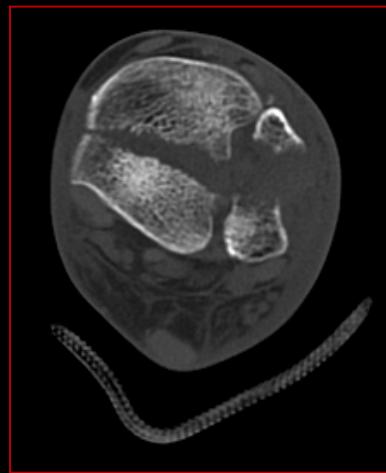
LATERAL ANKLE





**Fractures through the medial
and lateral malleoli.**



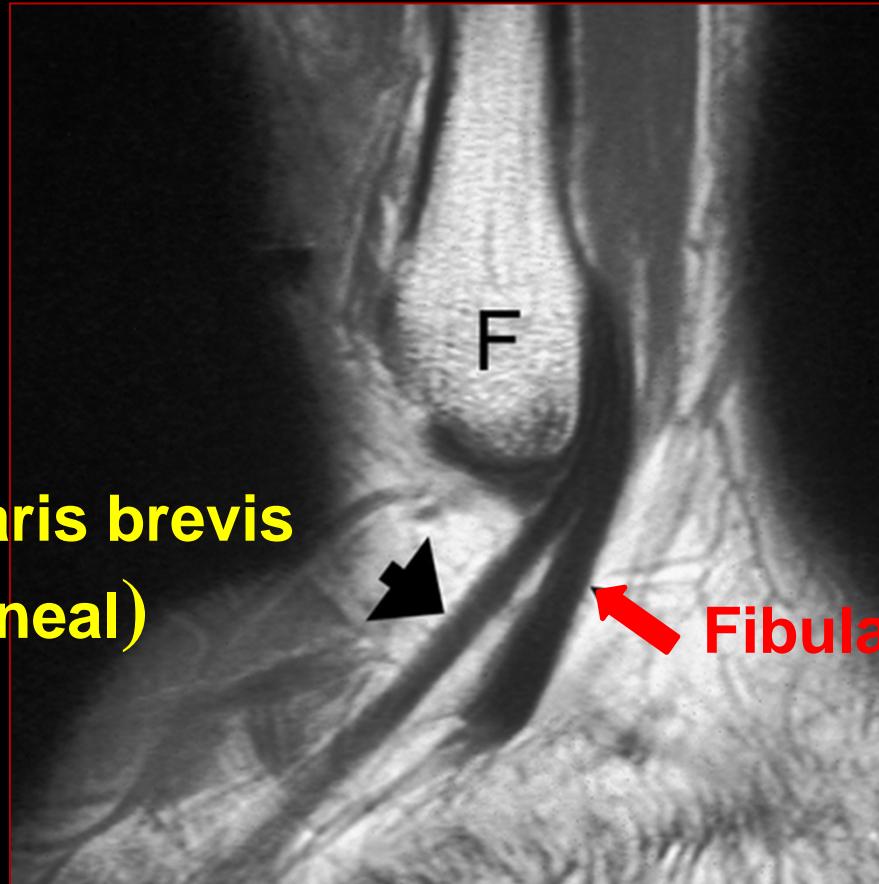


AP FOOT



LATERAL FOOT





**Fibularis brevis
(Peroneal)**

Fibularis longus

CALCANEAL FRACTURE



PATIENT FELL OFF OF A LADDER

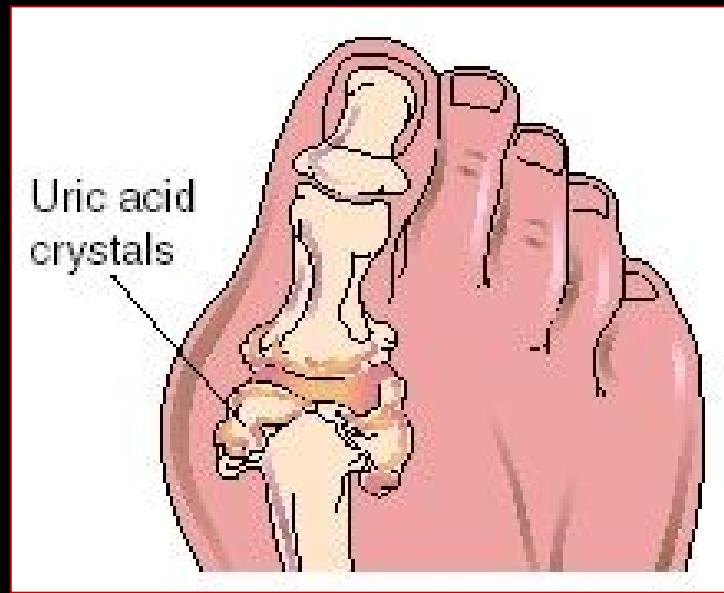
DIABETIC OSTEOMYLITIS



BONE SCAN

OSTEOMYELITIS





GOUT

