

Barcode No:



Patient ID:	OUT/23/009030	Patient Name:	DARKO-MENSAH NANA KONADU
Age:	33 Years	Sex:	F
Study Date:	18-Oct-2023		

MRI RIGHT KNEE WITHOUT CONTRAST

TECHNIQUE: Multiplanar multisequence MR images of the right knee were obtained without the administration of intravenous contrast.

FINDINGS:

Cruciate ligament

There is nonvisualisation of almost all fibers of two third of anterior cruciate ligament with residual fragmented fibers seen with abnormal bulky hypersignal intensity seen in T2W and STIR images, represents complete tear of anterior cruciate ligament with retraction.

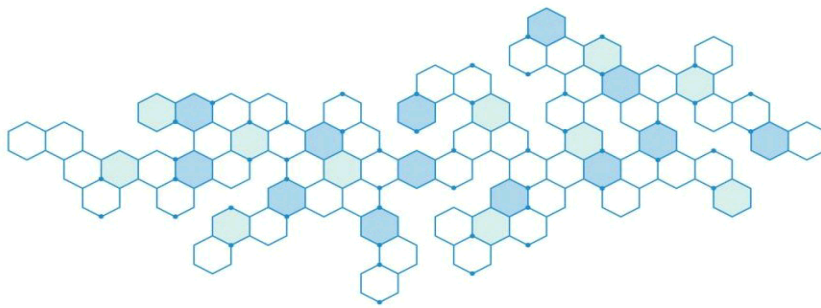
Posterior cruciate ligament is normal in signal intensity.

Menisci

Linear tear noted at anterior horn of lateral meniscus. Medial meniscus is displaying normal size, outline and signal intensity. The transverse and menisco-femoral ligaments are normal.

Collateral ligaments





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The anterior & mid portion of lateral collateral ligament appears wavy and it reveals intermediate signal intensity on PD and T2W and appears on STIR images tendon. These favor Grade III injury of lateral collateral ligament. There is abnormal hyperintense signal intensity seen in the region of popliteo-fibular ligament on STIR and PDFS images, represents complete tear with retraction.

The medial ligament is intact and show normal signal intensity.

Joint capsule

Patellofemoral ligaments are normal. Focal tear noted at inferior aspect of lateral patellar retinaculum. Medial patellar retinaculum is normal. There is mild synovial effusion seen in the knee joint predominantly along menisco-synovial recesses and along cruciate ligament recesses with supra patellar bursitis changes. Well defined hypointense areas are seen in the deep intramuscular fat planes in the popliteal fossa behind knee joint as well as in the subcutaneous fat plane overlying the lateral aspect of patella on the T1W images; which turn hyperintense on the T2W, Proton Density with fat saturation, STIR and T2W with fat saturation images. These suggest edema in posterior deep intramuscular fat planes and inferior patellar anterior subcutaneous fat.

Bones and articular cartilage

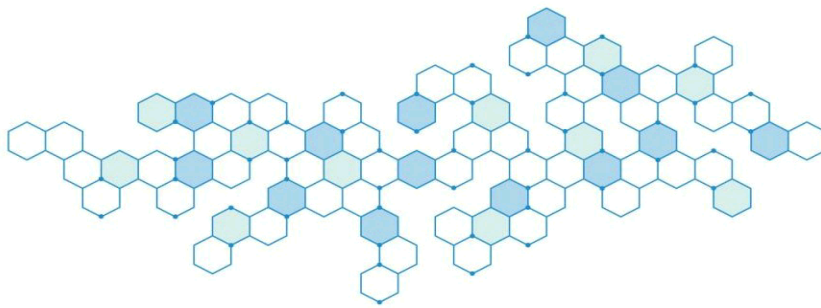
Linear fracture with marrow edema noted at upper end of fibula. Marrow edema also noted at antero-medial femoral condyle. Alignment of tibia, femur as well maintained. The patella is minimally laterally displaced. The femoral, patellar and tibial articular cartilage appear normal.

Muscles, tendons and postero-lateral complex

No hyaline cartilaginous disease in patellofemoral, medial and lateral compartments. The distal quadriceps and patellar tendons are intact. The biceps femoris tendon and ilio-tibial tract are normal. The quadriceps and patellar tendons are normal. The popliteal vessels are normal. Minimal myositis noted in the gastrocnemius & popliteus muscle.

IMPRESSION:





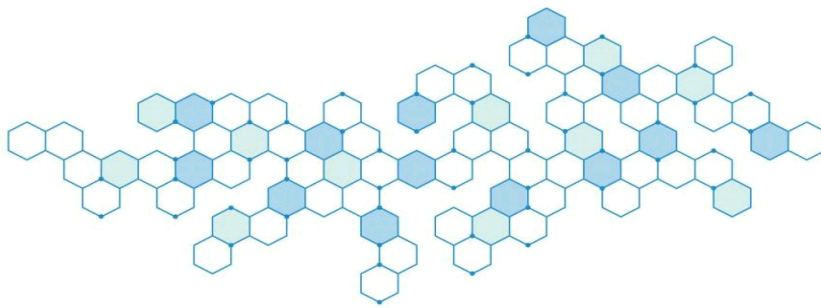
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MRI Right knee study reveals

- **Complete tear of anterior cruciate ligament with retraction.**
- **Linear tear noted at anterior horn of lateral meniscus.**
- **Grade III injury of lateral collateral ligament.**
- **Complete tear with retraction noted at popliteo-fibular ligament.**
- **Focal tear noted at inferior aspect of lateral patellar retinaculum.**
- **There is mild synovial effusion, supra patellar bursitis and moderate edema in posterior deep intramuscular fat planes and inferior patellar anterior subcutaneous fat.**
- **Linear fracture with marrow edema noted at upper end of fibula.**
- **Minimal myositis noted in the gastrocnemius & popliteus muscle.**





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Authorized by Dr. Benjamin Dabo Sarkodie F.W.A.C.S

