

MRI LEFT KNEE JOINT

STUDY PROTOCOL:

FAST SPIN ECHO T2 W AND PD SAGGITAL IMAGES OF LEFT KNEE JOINTS WERE OBTAINED ON DEDICATED PHASED ARRAY KNEE JOINT COIL AND CORRELATED WITH T2 WEIGHTED AXIAL IMAGES. ADDITIONAL T1W AND STIR CORONAL IMAGES WERE ALSO OBTAINED.

FINDINGS:

The study reveals ill defined alteration in the marrow signal in the anterior/central aspect of lateral femoral condyle and posterior aspect of tibial condyles appearing hypointense on T1 and hyperintense on STIR images suggestive of bone bruise/contusions.

Rest of distal tibia, proximal tibia and fibula show normal MR morphology with preserved cortical margins.

Femoro-tibial and patello-femoral joint spaces are preserved.

Lateral and Medial meniscus is normal in MR morphology.

Anterior cruciate ligament is torn and shows diffuse T1/T2 hyperintensity and thickening. There is slight buckling of posterior cruciate ligament which is otherwise normal in caliber and attachments.

Medial and lateral collateral ligaments are normal except minimal hyperintensity/edema along outer aspect of lateral collateral ligament.

Patellar ligament and quadriceps tendon are normally visualized.

Increase fluid is seen in the suprapatellar bursa, bilateral paracondylar region and femorotibial joint space with presence of minimal layering/fluid levels suggestive of hemarthrosis.

IMPRESSION:

MR IMAGING OF LEFT KNEE JOINT REVEALS BONE BRUISE/CONTUSIONS IN THE LATERAL FEMORAL CONDYLE AND POSTERIOR ASPECT OF BILATERAL TIBIAL CONDYLES WITH TEAR OF THE ANTERIOR CRUCIATE LIGAMENT WITH HEMARTHROSIS AS DESCRIBED.

ADVISED: CLINICAL CORRELATION.