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Patient Name : Amal Prakash

Patient ID : 16D665

Approved BY :

DOB/SEX : 20.06.2000 / M

Admission Type : OutPatient

Accession No : 228760

Osteosarcoma right femur

MRI EXTREMITIES of 05.01.2017:

Sequences Studied :

Coronal T1, T2, Post contrast Axial T1, T2, DWI + ADC, Post Contrast Sagittal T1, PD FS, Post Contrast

Observations:

Long segment of altered marrow signal intensity (heterogeneously hypointense on T1 and T2 and hyperintense on PDFS) seen involving the distal metadiaphysis of the right femur .

The proximal extent of the tumour is approximately 13 cm from the distal femoral articular surface.

Associated cortical destruction and lobulated soft tissue component seen measuring 14 x 14 cm in the axial plane (maximum dimension).

Patchy restricted diffusion is seen within the mass. After administration of contrast, heterogenous, enhancement is seen.

The lesion is extending to the distal femoral epiphysis .No definite tumour extension into joint cavity. Tumour mass is abutting anterior cruciate ligament at its femoral attachment.

The distal superficial femoral vascular bundle is encased by the mass and is displaced posteriorly.

Popliteal neurovascular bundle is posteriorly displaced and is abutting tumour mass ,partially enclosed within lobulations of mass, but fat planes preserved.

Altered signal intensity focus in distal femoral metaphysis separate from the lesion –suppressed on PDFS images –possibly benign-?intraosseous lipoma.

No altered signal intensities in left femur.