

PD = proton density, FS = fat saturation, post = post-contrast

Exam	Axial	Sagittal	Coronal
Bone or soft tissue mass (any location) Unenhanced	T1, T1 FS, T2 FS	If mass is anterior or posterior: sagittal T1, T2 FS, coronal T2 FS	If mass is medial or lateral: coronal T1, T2 FS, sagittal T2 FS
Enhanced	T1 FS post	If mass is anterior or posterior: T1 FS post	If mass is medial or lateral: T1 FS post
Suspected Osteomyelitis (any location) Unenhanced	T1, T1 FS, T2 FS	T1, T2 FS	T1, STIR
Enhanced	T1 FS post	T1 FS post	T1 FS post
For indications other than bone or soft tissue mass and osteomyelitis (for example, pain or joint instability), use the following protocols specific to the body part.			
Ankle/Midfoot/Foot	PD, T2 FS	T1, STIR	PD, T2 FS
Elbow	PD, T2 FS	T2 FS	T1, T2 FS
Elbow arthrogram	T1 FS, T2 FS	T1 FS	T1, T2 FS
Hand/Thumb	T1, T2 FS	T1, T2 FS	T1, T2 FS
Hip/Pelvis	T1, T2 FS	T2 FS through affected hip	T1, T2 FS
Hip arthrogram (small FOV of affected hip)	T2 FS [,T1 FS in the plane of the femoral neck]	T1 FS	T1 FS (parallel to neck of femur), T2 FS
Pelvis for pubalgia (see TJUH Athletic Pubalgia)	T2 FSE, PD FSE FS (Oblique), T2 FSE FS (Oblique)	T2 FSE FS, PD FSE	STIR, T1
Knee	T2 FS	PD, T2 FS	T1, T2 FS, Coronal oblique T2 fat sat through the ACL only
Leg (Tibial stress fracture) Mark spot of worst pain	T1 through site of edema STIR through site of edema	If pain is anterior or posterior, start with sagittal STIR	If pain medial or lateral, start with coronal STIR
Sacrum	T2 FS	STIR	T1, PD FS
Shoulder	PD FS	T1, T2 FS	PD, T2 FS
Shoulder arthrogram	PD FS, ABER T1 fat sat	T1, T2 FS	PD, T2 FS
Wrist	PD, T2 FS	T2 FS	T1, T2 FS
Wrist arthrogram	T1 FS, T2 FS	T1 FS	T1 FS, T2 FS, 3D SPGR FS
When a study has been ordered as without and with contrast, but is not being done for mass or osteomyelitis, do protocol for joint but add:			
(added enhanced sequence)	T1 FS post	T1 FS post	T1 FS post