

MRI Elbow With/Without Contrast Guideline (52C)

Revised: 2/2021

CPT Code: 73223

Indications: Mass, Infection, Osteomyelitis, Malignancy, Mets, Abscess

Contrast: Yes

Preferred Scanner-According to Body Habitus

Plane	Sequence	Slice (mm)	Gap (mm)	FAT SAT	FOV (mm)	Scan Range	Notes
Axial	T1	2-3mm	.6mm -1mm	NO	100	Using COR plane, position block parallel to line passing thru medial and lateral humeral epicondyles. On SAG position perpendicular to humerus and ulna.	If the patient cannot tolerate extended positioning, do one axial oriented to Humerus and one to Ulna.
Axial	STIR	2-3mm	.6mm -1mm	NO	100	Using COR plane, position block parallel to line passing thru medial and lateral humeral epicondyles. On SAG position perpendicular to humerus and ulna.	See above.
Coronal	T1	2-3mm	.6mm -1mm	NO	120	Using AX plane, position block parallel to the medial and lateral humeral epicondyles. On SAG plane position parallel to humerus and ulna.	
Coronal	STIR	2-3mm	.6mm -1mm	NO	120	Using AX plane, position block parallel to the medial and lateral humeral epicondyles. On SAG plane position parallel to humerus and ulna.	
Sagittal	T1	2-3mm	.6mm -1mm	NO	120	Using AX plane, position block perpendicular to the medial and lateral humeral epicondyles. In COR plane,	

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						position parallel to humerus and ulna.	
Sagittal	STIR	2-3mm	.6mm -1mm	NO	120	Using AX plane, position block perpendicular to the medial and lateral humeral epicondyles. In COR plane, position parallel to humerus and ulna.	
SEE Scan Range	T1	2-3mm	.6mm -1mm	YES	100/120		Precontrast FS T1 is only needed if we are doing post contrast imaging. Pre contrast FS plane should be determined at TOS. Usually Axial plane, but choose plane that best demonstrates mass or other region of interest. Pre Contrast and post contrast sequence in same plane must match EXACTLY (same TR/TE/NEX/FA etc

CONTRAST

Plane	Sequence	Slice (mm)	Gap (mm)	FAT SAT	FOV (mm)	Scan Range	Notes
Axial	T1	2-3mm	.6mm-1mm	YES	100	Using COR plane, position block parallel to line passing thru medial and lateral humeral epicondyles. On SAG plane, position perpendicular to humerus and ulna.	FAT SAT
Coronal	T1	2-3mm	.6mm-1mm	YES	120	Using AX plane, position block parallel to the medial and lateral humeral epicondyles. On SAG plane position parallel to humerus and ulna.	FAT SAT
Sagittal	T1	2-3mm	.6mm-1mm	YES	120	Using AX plane, position block perpendicular to the medial and lateral humeral epicondyles. In COR	FAT SAT

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plane, position parallel to humerus and ulna.

