

PROTOCOL: ELBOW OSTEOMYELITIS/TUMOR

COIL: TRANSMIT-RECEIVE KNEE COIL WITH ARM ABOVE HEAD OR SMALL/MEDIUM 4+ CHANNEL FLEX COIL WRAPPED *AROUND* ELBOW. DO NOT LAY ELBOW ON

POSITIONING: Supinated (palm up). Superman or arm at side. If arm at side, careful attention to avoid phase wrap.

CLINICAL INDICATIONS/ INFECTION, OSTEOMYELITIS, TUMOR

PLOTTING: Axial FIRST off of coronal and sagittal localizers. True axial to humerus Coronal = linear cortex between coronoid fossa and olecranon fossa Sagittal =

COVERAGE: Above medial and lateral epicondyles. Above olecranon. Below radial tuberosity (must see entire biceps insertion).

TIPS: Arm as straight as possible. If unable to straighten arm (near 90 degree flexion), repeat coronal & axial for both humerus and forearm

SCAN ORDER	PLANE	IMAGE CONTRAST/WEIGHTING	MODE/SEQ TYPE	Averages (NEX)	BW (Hz/pixel)	ETL	TR RANGE	TE RANGE	TI	FLIP ANGLE	SLICE/GAP (mm)	FOV (cm)	Resolution	Phase Axis	Send to PACS	Fat sat
1	AX	T2FS	2D/FSE	1	150-180	8-12	3500-6000	65-75		>130	3.0/0	10-14	256 x 256	RL	FULL SERIES	WEAK
2	AX	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	10-14	256 x 256	RL	FULL SERIES	NONE
3	COR	T2FS	2D/FSE	1	150-180	8-12	3500-6000	65-75		>130	3.0/0	10-14	256 X 256	SI	FULL SERIES	WEAK
4	COR	T1	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	10-14	256 x 256	SI	FULL SERIES	NONE
5	SAG	STIR	2D/FSE	1	150-180	8-12	3500-6000	20-30	140 - 150	>130	3.0/0	10-14	256 x 256	SI	FULL SERIES	
IF WO/W PRE-GAD: 6	AX	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	10-14	256 X 256	RL	FULL SERIES	WEAK
GIVE CONTRAST																
POST-GAD: 7	AX	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	10-14	256 X 256	RL	FULL SERIES	WEAK
POST-GAD: 8	COR	T1FS	2D/FSE	1	150-180	2-3	450-650	8-10		>130	3.0/0	10-14	256 x 256	SI	FULL SERIES	WEAK

