

Anatomy: UPPER EXTREMITY
 Sub-Anatomy: Elbow- 3T MR arthrogram

- Exams **ORDERABLE- Elbow**
 - Routine Coil: Flex coil

SEQUENCE - BASICS				VARIABLE PARAMETERS													
PLANE	SEQ	Slice thickness (mm)	Misc / Comment	Gap	FOV (cm)		Scan%	Voxel size (mm)	TR	TE	FA/TI				Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz
	ROUTINE																
	3 plane scout																
1	Sag fsT1W	3.5		10%				0.4x0.5	600	6-9							
2	Cor fs T1W	3.5		10%				0.4x0.5	600	6-9							
3	Ax fsT1w	3.5		10%				0.4x0.5	600	6-9							
4	Coronal fsPD	3.5		10%				0.4x0.5	3000	35-40							
5	Cor 3D PD TSE	3D		0				0.65 iso									
6	Ax T1 VIBE no FS	3D															

Instructions: FOV and Coverage- Always try to do in superman position with elbow in the center of FOV. On coronal, cover from skin to skin. On axials, cover humeral metaphyseal junction to just below radial tuberosity. On sagittals, cover from medial to common flexor tendon and lateral to common extensor tendon.

Reconstruction for 3D- 0.65 mm in axial and sagittal planes.

Large subject: Increase voxel-0.7-0.75 mm, use mFlex coil, if problem with SNR or wrap, etc- call OPB/PMH for remote monitoring help.

Others- Always put marker at the site of most pain, injury or swelling. If motion observed, stop the scan, instruct patient to lay still and repeat the sequence.

