

Anatomy: UPPER EXTREMITY
 Sub-Anatomy: Elbow- 3T Ortho

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

SEQUENCE - BASICS														
PLANE	SEQ	Slice thickness (mm)	Misc / Comment	MT X	Gap	Scan %	Voxel size (mm)	TR	TE	N S	ETL Turbo Factor	Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz
ROUTINE														
	3 plane scout		Only use GRE											
1	Cor PD	3.5			10%		0.4x0.5	3000	40-45					
2	Cor PD FS	3.5			10%		0.4x0.5	3000	35-40					
3	Ax PD FS	3.5			10%		0.4x0.5	3000	35-40					
4	Sag PD FS	3.5			10%		0.4x0.5	3000	35-40					
5	Axial PD	3.5			10%		0.4x0.5	3000	40-45					
6	Cor 3D PD	0.65			0									
↓ OPTIONAL ↓														
	STIR	3-4	Failed fat sat		10%		0.4x0.5	3000						

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 meta-diaphyseal 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 all 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.

