

UT Southwestern Department of Radiology

Anatomy: **UPPER EXTREMITY**
 Sub-Anatomy: **Wrist- 3T Ortho**

- Routine

Coil: **Wrist coil for avg pt / sFlex coil for large pt**

SEQUENCE - BASICS				VARIABLE PARAMETERS													
PLANE	SEQ	Slice thickness (mm)	Misc / Comment	MT X	gap			Voxel size (mm)	TR	TE		Nex Avg Acq	NS	ETL Turbo Factor	Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz
ROUTINE																	
	3 plane scout		Only use GRE														
1	Cor PD	3			10%			0.4x0.5	3000	40-45							
2	Cor fsPD	3			10%			0.4x0.5	3000	35-40							
3	Ax 2D fsPD	3			10%			0.4x0.5	3000	35-40							
4	Ax PD	3			10%			0.4x0.5	3000	40-45							
5	Sag fsPD	3			10%			0.4x0.5	3000	35-40							
6	Cor T2 mDIXON	3			10%			0.4x0.5	3000	55							
7	Cor 3D PD VISTA	0.65 iso			0			0.65 iso									
↓ OPTIONAL ↓																	
	STIR	3-4	Failed fat sat		10%			0.4x0.5	3000								

Instructions: FOV and Coverage- On coronal, cover from skin to skin. On axials, cover radial meta-diaphyseal junction to bases of metacarpals. On sagittals, cover from skin to skin.

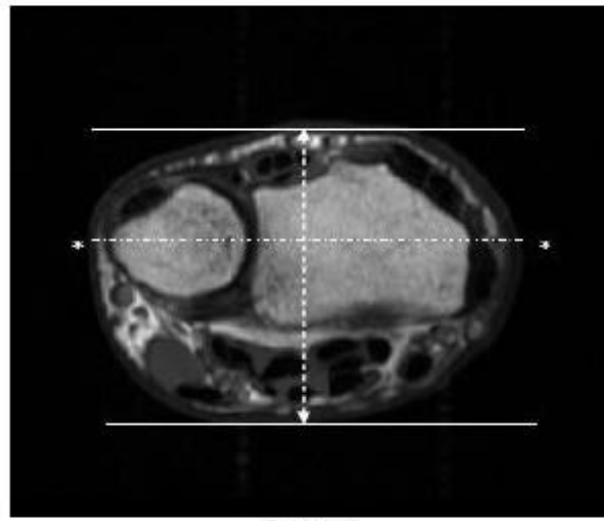
Large subject: Increase voxel-0.7 mm, use sFlex coil, if problem with SNR or wrap, etc- call OPB/PMH for remote monitoring help.

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

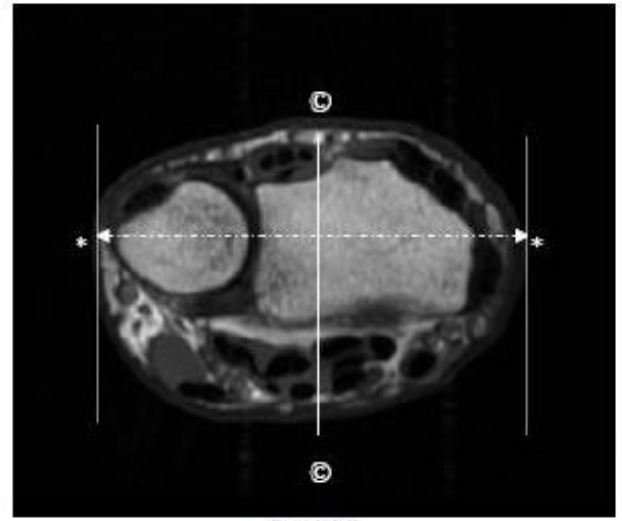
Others- Always put marker at the site of most pain, injury or swelling. If motion observed, stop the scan, instruct patient to lay still and repeat the sequence.



Axial



Coronal



Sagittal