RIH - ELBOW CT
SIEMENS DEFINITION AS20 PROTOCOL

Indication: fracture, dislocation, osteomyelitis, bone injury, bone tumor.

Position/Landmark	Supine , feet first Zero Appropriately
Topogram Direction	Craniocaudal
Respiratory Phase	Any
Scan Type	Helical
Ref kV/Ref mAs/Rotation time (sec) **Pitch / Speed (mm/rotation)** **Safire Strength / Dose Optimization**	Care kV 120 / Care Dose4D 100 / 1 sec .8:1 , 10.00mm 3 / 4
Detector width x Rows = Beam Collimation	0.625mm x 20 = 12.5mm
Average Tube Output	ctdi – 3.0mGy dlp – 80mGy.cm
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / recon destination . 1 **axial soft elbow** 3mm x 3mm I40s medium pacs 2 **axial bony elbow** 3mm x 3mm I70h very sharp pacs 3 **coronal elbow** 3mm x 3mm I70h very sharp pacs 4 **sagittal elbow** 3mm x 3mm I70h very sharp pacs 5 **true axial elbow** 3mm x 3mm I70h very sharp pacs 6 thin elbow .75mm x .7mm I70h very sharp terarecon
Scan Start / End Locations **DFOV**	determined by technologist or radiologist to include the anatomy of interest 10cm decrease appropriately
IV Contrast Volume / Type / Rate	75mL Iohexol (Omnipaque 350) / 2mL per second if needed
Scan Delay	65 seconds
2D/3D Technique Used	Workstream 4D mpr of **3mm x 3mm coronal and sagittal elbow** series (auto-batch off), average mode, auto-transferred to PACS Also, there is a 3mm x 3mm true axial reformat if needed due to the patient's position.
Comments: Recon 6 is a thin helical volume of the elbow that is archived to the TeraRecon server.	
Images required in PACS	Topograms, 3mm x 3mm axial elbow bone, 3mm x 3mm axial elbow standard, 3mm x 3mm sagittal elbow, 3mm x 3mm coronal elbow, Patient Protocol

updated Jan 23, 2017