RIH - WRIST/HAND 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	<table><tr><td>recon</td><td>body part</td><td>thickness/ spacing</td><td>algorithm</td><td>recon destination .</td></tr><tr><td>1</td><td>**axial soft hand/wrist**</td><td>3mm x 3mm</td><td>I40s medium</td><td>pacs</td></tr><tr><td>2</td><td>**axial bony hand/wrist**</td><td>2mm x 2mm</td><td>I70h very sharp</td><td>pacs</td></tr><tr><td>3</td><td>**coronal hand/wrist**</td><td>2mm x 2mm</td><td>I70h very sharp</td><td>pacs</td></tr><tr><td>4</td><td>**sagittal hand/wrist**</td><td>2mm x 2mm</td><td>I70h very sharp</td><td>pacs</td></tr><tr><td>5</td><td>**true axial hand/wrist**</td><td>2mm x 2mm</td><td>I70h very sharp</td><td>pacs</td></tr><tr><td>6</td><td>thin hand/wrist</td><td>.75mm x .7mm</td><td>I70h very sharp</td><td>terarecon</td></tr></table>
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 2mm x 2mm **coronal and sagittal wrist/hand** series (auto-batch off), average mode, auto-transferred to PACS Also, there is a 2mm x 2mm true axial reformat if needed due to the patient's position.
Comments: Recon 6 is a thin helical volume of the hand and wrist that is archived to the TeraRecon server.	
Images required in PACS	Topograms, 2mm x 2mm axial wrist/hand bone, 2mm x 2mm axial wrist/hand standard, 2mm x 2mm sagittal wrist/hand, 2mm x 2mm coronal wrist/hand, Patient Protocol

updated Jan 23, 2017