## **RIH - WRIST/HAND CT SIEMENS DEFINITION AS+ 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)		Care kV 120 / Care Dose4D 100 / 1 sec				
Pitch / Speed (mm/rotation)		.8:1, 32.00mm				
Safire Strength / Dose Optimization		3/4				
<b>Detector width x Rows = Beam</b>		$0.625 \text{mm} \times 64 = 40 \text{mm}$				
Collimation		(128 x .6mm)				
Average Tube Output		ctdi – 3.0mGy				
~ •		dlp – 80mGy.cm				
Helical Set		body	thickness/		recon	
Slice Thickness/ Spacing	reco	on part	spacing	algorithm	destination .	
Algorithm	1	axial soft hand/wrist	3mm x 3mm	I40s medium	pacs	
Recon Destination	2	axial bony hand/wris	st 2mm x 2mm	I70h very sharp	pacs	
	3	coronal hand/wrist	2mm x 2mm	I70h very sharp	pacs	
	4	sagittal hand/wrist	2mm x 2mm	I70h very sharp	pacs	
	5	true axial hand/wris	t 2mm x 2mm	I70h very sharp	pacs	
	6		.75mm x .7mm	<u> </u>	terarecon	
Scan Start / End Locations	de	termined by technologi	st or radiologist to	include the anator	ny of interest	
DFOV		10cm				
		decrease appropriately				
IV Contrast Volume / Type / Rate		75mL Iohexol (Omnipaque 350) / 2mL per second				
Corres Dolore	if needed					
Scan Delay			65 seconds			
2D/3D Technique Used	Wo	Workstream 4D mpr of 2mm x 2mm <b>coronal and sagittal wrist/hand</b> series				
20/50 Teeninque Oscu		(auto-batch off), average mode, auto-transferred to PACS				
	(aut	to-baten on), average n		icu to i ACS		
	Also	Also, there is a 2mm x 2mm true axial reformat if needed due to the patient's				
		position.				
<b>Comments:</b> Recon 6 is a thin helica			st that is archived t	to the TeraRecon se	erver.	
Images required in PACS	Topo	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/h					
		nt Protocol			~ 7	