## RIH – PEDI WRIST/HAND CT SIEMENS DEFINITION AS20 PROTOCOL

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

Position/Landmark	Supine, feet first					
Topogram Direction	Zero Appropriately Craniocaudal					
	Cramocaudar					
Respiratory Phase	Any					
Scan Type	Helical					
Ref kV/Ref mAs/Rotation time (sec)	Care kV 100 / Care Dose4D 65 / 1 sec					
Pitch / Speed (mm/rotation)	.8:1 , 10.00mm					
Safire Strength / Dose Optimization	3/5					
Detector width x Rows = Beam Collimation	$0.625 \text{mm} \times 20 = 12.5 \text{mm}$					
Average Tube Output	ctdi – 2.0mGy					
77.10		dlp – 40mGy.cm				
Helical Set Slice Thickness/ Spacing		body	thickness/	1 2/1	recon	
Algorithm	reco	on part axial soft hand/wrist	spacing 3mm x 3mm	algorithm  I40s medium	destination .	
Recon Destination		axial bony hand/wrist		I70h very sharp	pacs pacs	
	$\frac{2}{3}$		2mm x 2mm	I70h very sharp	pacs	
	4	sagittal hand/wrist	2mm x 2mm	I70h very sharp	pacs	
		true axial hand/wrist	2mm x 2mm	I70h very sharp	pacs	
	6	thin hand/wrist	.75mm x .7mm	I70h very sharp	terarecon	
Scan Start / End Locations	determined by technologist or radiologist to include the anatomy of interest					
		10				
DFOV	10cm					
IV Contrast Volume / Type / Rate	decrease appropriately 75mL Iohexol (Omnipaque 350) / 2mL per second					
17 Contrast Volume / Type / Kate	if needed					
Scan Delay	65 seconds					
2D/3D Technique Used	Workstream 4D mpr of 2mm x 2mm <b>coronal and sagittal wrist/hand</b> 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.					
<b>Comments:</b> Recon 6 is a thin helica			that is archived to	o the TeraRecon s	erver.	
Images required in PACS	Topog	grams, 2mm x 2mm axial	wrist/hand bone	e, 2mm x 2mm axi	al wrist/hand	
	standard, 2mm x 2mm sagittal wrist/hand, 2mm x 2mm coronal wrist/hand, Patient Protocol					