RIH - WRIST/HAND CT
GE LIGHTSPEED VCT 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
KV / mA / Rotation time (sec) **Pitch / Speed (mm/rotation)** **Noise Index / ASiR / Dose Reduction**	120kv / smart mA (100-450) / 0.5 sec 0.984:1 , 39.37mm 16.0 / 20 / 20%
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon body part thickness/spacing algorithm recon destination . 1 **wrist/hand bone** 1.25mm x 1.25mm bone pacs 2 thin wrist/hand .6mm x .6mm bone for dmpr 3 **wrist/hand soft tissue** 1.25mm x 1.25 mm standard pacs
Scan Start / End Locations **DFOV**	determined by technologist or radiologist to include the anatomy of interest 18cm decrease appropriately
IV Contrast Volume / Type / Rate	75mL Iohexol (Omnipaque 350) / 2mL per second if needed
Scan Delay	65 seconds
2D/3D Technique Used	DMPR 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 1 is the wrist/hand, bone algorithm ct going to PACS. Recon 2 is a single thin helical group of the wrist/hand for direct mpr. Recon 3 is wrist/hand, standard algorithm ct going to PACS.	
Images required in PACS	Scouts,1.25mm x 1.25mm axial wrist/hand bone, 1.25mm x 1.25mm axial wrist/hand standard, 2mm x 2mm sagittal wrist/hand, 2mm x 2mm coronal wrist/hand, Dose Report

updated Jan 23, 2017