

**CT Parathyroid**  
**Maximum CTDI 30**

**GE- 2007**

Note: to be scanned on 64 slice or above

PT Prep: Remove all metal objects from the neck to eliminate artifacts.  
 Instruct the patient not to swallow during the scan.  
 Pull shoulders down and place rolled towel between scapula  
**IV to be placed in the arm opposite of surgery site or nodule.**  
**If no known surgery of nodule prefer injection on Right side.**  
 18g to 20g peripheral IV needed for contrast administration.  
 Follow IV contrast administration guidelines.

Series 1: **Scout AP and LAT-Supine "0" at Sternal Notch S 250 to I 100**

Series 2: **Non contrast** Helical scan 2 CM above mandibular symphysis to 2 CM below carina.  
 20 FOV

Acquisition #1 Display scout and the prescribed slices from 2CM above the mandibular symphysis to 2CM below carina

Series 3: **Enhanced Scan:** 80cc IV contrast/25cc saline bolus at 4cc sec. **No Smart Prep**  
 Scan delay of 25 sec for arterial phase  
 Scan delay of 70 sec for venous phase

Reconstruction: CORONAL/SAGITTAL 2.5 mm in soft tissue window

Technique:

	<b>750 HD SNGH room 2</b>	<b>Optima 660 (32s) SNGH OVIC</b>	<b>Optima 660 (64s) SNGH room 1</b>	<b>VCT (64s) SNGH room 3</b>
Noise Level	14.50	14.50	9.50	9.50
Interval	0.625mm	0.625mm	0.625mm	0.625mm
Axial/Helical Thickness	0.625mm	0.625mm	0.625mm	0.625mm
Pitch	1.516:1	0.516:1	0.516:1	0.516:1
Speed mm/rotation	20.62	20.62	20.62	20.62
Detector Rows	N/A	N/A	N/A	N/A
Detector Configuration	N/A	N/A	N/A	N/A
BeamCollimation	40mm	40mm	40mm	40mm
Kv/mA	120KV/400mA	120KV/400mA	120KV/300mA	120KV/300mA
Scan Type	Helical Full 0.4 sec	Helical Full 0.4 sec	Helical Full 0.4sec	Helical 0.4 sec

**Networking/ PACs:** Send scouts  
 Send series 2 Standard Algorithm  
 Send series 3 Standard Algorithm  
 Reformat in Soft Tissue for Wet only do sagittal and coronals and send to PACS.

Original Date: 4-8-04

Approved by: Dr. Y. Kim MCR

Revised Date: 11-9-04, 1-11-10, 9-16-10 12/8/10 01/28/13 12/15/15 02/14/18

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