

CT Adrenal Glands

GE- 6004

Maximum CTDI 75

Indication: To identify Adrenal Mass, Characterize adrenal mass

PT Prep: NO Oral

Unenhanced scan 1st- Call MD to review unenhanced images and determine if contrast needed.

IV contrast – Yes if radiologist determines IV contrast is needed. Follow MCR contrast dosing guidelines.

Series 1: Scouts AP & LAT – Supine “O” at Xiphoid Process S20 to I400

Series 2: Unenhanced – Scan from Diaphragm through Mid Kidneys

Technique:

	Optima 660 CT1	750 HD (128) CT2	VCT 64 CT3	Optima 660 OVIC
Noise Level	11.60	18.23	11.60	14.64
Interval	5 mm	5 mm	5 mm	5 mm
Axial/Helical Thickness	5 mm	5 mm	5 mm	5 mm
Pitch	0.984:1	0.984:1	0.984:1	1.375:1
Speed mm/rotation	39.37	39.37	39.37	55
Detector Rows				
Detector Configuration				
Beam Collimation	40 mm	40 mm	40 mm	40mm
KV/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec

Original Date: 4-8-04

Approved by: Dr. Songmen, MCR

Revised Date: 11/9/04, 1/11/10, 9/16/10, 12/8/10, 04/17/13, 12/15/2015, 02/14/18, 10/07/19, 07/27/21, 1/30/24

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Series 3 (if needed per radiologist): **Enhanced** Arterial Phase –IV contrast per MCR contrast dosing guidelines @ 3cc/sec. **Delay: 60 seconds** – scan through adrenal gland

	Optima 660 CT1	750 HD CT2	VCT 64 CT3	Optima 660 OVIC
Noise Level	11.60	18.23	11.60	14.64
Interval	5 mm	5 mm	5 mm	5 mm
Axial/Helical Thickness	5 mm	5 mm	5 mm	5 mm
Pitch	0.984:1	0.984:1	0.984:1	1.375:1
Speed mm/rotation	39.37	39.37	39.37	55
Detector Rows				
Detector Configuration				
Beam Collimation	40 mm	40 mm	40 mm	40 mm
KV/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec

Series 4: **Delay: 15 minutes** – scan through adrenal gland

	Optima 660 CT1	750 HD 128 CT2	VCT 64 CT3	Optima 660 OVIC
Noise Level	11.60	18.23	11.60	14.64
Interval	5 mm	5 mm	5 mm	5 mm
Axial/Helical Thickness	5 mm	5 mm	5 mm	5 mm
Pitch	0.984:1	0.984:1	0.984:1	1.375:1
Speed mm/rotation	39.37	39.37	39.37	55
Detector Rows				
Detector Configuration				
Beam Collimation	40 mm	40 mm	40 mm	40 mm
KV/mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA	Auto mA – if large pt. use manual & maximize mA
Scan Type	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec	Helical Full 0.7 sec

Networking/ PACs: Send scouts
 Recon series 2,3,4 Standard Soft Tissue Algorithm 2.5mm
 Recon and send series 2 and 3 lung images in Lung Algorithm 5mm
 Recon and send series 3 bone images with Bone Algorithm 5mm
 Recon series 2,3,4 and send MPR images in standard algorithm

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