

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 (follow IV contrast administration guidelines)

20g to 18g peripheral IV needed for contrast administration

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

Series 2: Unenhanced – Scan from Diaphragm through Mid Kidneys

Technique:

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
Noise Level	15.86	15.86	12.00	12.00
Interval	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Pitch	1.375:1	1.375:1	1.375:1	1.375:1
Speed mm/rotation	55	55	55	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. Rehfuss , MCR

Revised Date: 11-9-04, 1-11-10, 9-16-10 12/8/10 04/17/13 12/15/2015 02/14/18

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Series 3: **Enhanced** Arterial Phase – 100 cc of IV contrast @ 3cc/sec
(Contrast dose may be adjusted based on CrCl).

Delay: 60 seconds – scan through adrenal gland

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
Noise Level	15.86	15.86	11.60	11.60
Interval	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Pitch	1.375:1	1.375:1	1.375:1	1.375:1
Speed mm/rotation	55	55	55	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

	128 slice	32 slice w/ASIR	64 slice	64 slice w/ASIR 30%
Noise Level	15.86	15.86	11.60	11.60
Interval	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Axial/Helical Thickness	2.5 mm	2.5 mm	2.5 mm	2.5 mm
Pitch	1.375:1	1.375:1	1.375:1	1.375:1
Speed mm/rotation	55	55	55	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

Send series 2,3,4 Standard Soft Tissue Algorithm

Recon and send series 3 lung images in Lung Algorithm (if on scan)

Recon and send series 3 bone images with Bone Algorithm

Recon and send MPR images in standard algorithm for ALL series

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Record DLP in PACS comments