## **RIH – ADRENAL MASS CT SIEMENS DEFINITION AS+ PROTOCOL**

Indications – R/O adrenal mass. Characterize known adrenal mass (differentiate a met from and adenoma).

Position/Landmark	Head first or feet first-Supine	
	Sternal Notch	
Topogram Direction	Craniocaudal / Craniocaudal	
Respiratory Phase	Inspiration	
Scan Type	Helical	
Ref kV/Ref mAs/Rotation time (sec)	Care kV 120 / Care Dose4D 210 / 0.5 sec	
Pitch / Speed (mm/rotation)	.8:1 , 32.00mm	
Salire Strength / Dose Optimization	3/6	
Detector width x Rows = Beam	$0.625 \text{mm} \ge 64 = 40 \text{mm}$	
	(128 X .0MM)	
Average Tube Output	$\frac{d\ln - 280mGy}{d\ln - 280mGy}$	
First Halical Sat	hody thickness/ recon	
Slice Thickness/Spacing	recon part spacing	algorithm destination
Algorithm	1 non con adrenals 3mm x 3mm	I40f medium pacs
Recon Destination	2 <b>coronal nc adrenals</b> 3mm x 3mm	I40f medium pacs
	3 thin nc adrenals .75mm x .6mm	I40f medium terarecon
Second Helical Set	body thickness/	recon
Slice Thickness/ Spacing	recon part spacing	algorithm destination .
Algorithm	1 cortical adrenals 3mm x 3mm	I40f medium pacs
Recon Destination	2 coronal cortical adrenal 3mm x 3mm	I40f medium pacs
	3 thin cortical adrenals .75mm x .6mm	I40f medium terarecon
Third Helical Set	body thickness/	recon
Slice Thickness/ Spacing	recon part spacing	algorithm destination .
Algorithm Pagon Destination	1 <b>delayed adrenals</b> 3mm x 3mm	I40f medium pacs
Recoil Destillation	2 coronal delayed adrenal 3mm x 3mm	I40f medium pacs
	3 thin delayed adrenals ./Smm x .6mm 140f medium terarecon	
Scan Start / End Locations	mid diaphragm	
	mid kidney (scan through entire adrenal glands)	
DFOV	Journa decrease appropriately	
IV Contrast Volume / Type / Rate	100mL Johevol (Omninacue 350) 3mL/sec	
TV Contrast Volume / Type / Kate	Toome Tonexor (Ommpaque 550) Shie see	
Scan Delay	Non-Contrast Cortical	Delayed
	60 seconds	15 minutes
2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm <b>coronal i</b>	maging of each phase, auto-
transferred to PACS.		
the lesion If ROL > 10HIL a contrast study should be performed with cortical (60 second) and 15 min delayed		
images.		
Images required in PACS Topograms 3mm x 3mm axial no adrenals 3mm x 3mm coronal no adrenals		
	3mm x 3mm axial cortical adrenals 3mm x 3mm coronal cortical adrenals	
	3mm x 3mm axial delayed adrenals, 3mm x 3mm coronal delayed adrenals.	
	Patient Protocol	