

ADRENAL MASS 64 Sensation

Indications	R/O adrenal mass. Characterize known adrenal mass (differentiate a met from an ademoma)						
Diagnostic Task	Detect adrenal mass						
Scan mode	Helical						
Position/Landmark	2cm superior to xiphoid/Inspiration						
Topogram	AP 50mA 120kV						
kVp/Reference mass	120kv 200mas/100kv if pt under 140lbs						
Rotation time/pitch	0.5/0.8						
Detector Configuration	24x1.2						
Table Speed/Increment	23.04						
Dose reduction	CareDose 4D						
Allowed CTDI ranges*	7mGy-50mGy						
XR29 Dose Notification value	50mGy						
Helical Set #1 NON-Contrast	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pacs	
Helical Set #2 75 second delay	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pacs	
	2	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pacs	
	3	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pacs	
Helical Set #3 15min Delay	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pacs	
	2	coronal abdomen	2mmx2mm	31medium smooth	mediastinum	pacs	
	3	sag abdomen	2mmx2mm	31medium smooth	mediastinum	pacs	
DFOV	40cm decrease appropriately						
Scan start/end location	1cm above diaphragm/superior iliac crest						
IV contrast volume/rate	100ml isovue 370-3cc/sec						
Scan delay	non-contrast no delay/75seconds/15 minute delay						
Oral	Water prep						
3D Technique used							
	comments: Ask Rad after non contrast if you need to continue exam						
	Approximate Values for CTDIvol						
	Patient size	weight(kg)	weight(lbs)				CTDIvol(mGy)
	SMALL	50-70	110-155				10-17
	AVERAGE	70-90	155-200				15-25
	LARGE	90-120	200-265				22-35
NOTE*	*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.						

