

ADRENAL MASS 16 Sensation

Indications	Characterize known adrenal mass (differentiate a met from an adenoma)						
Diagnostic Task	Detect adrenal mass						
Scan mode	Helical						
Position/Landmark	2cm superior to xiphoid/Inspiration						
Topogram	AP 50mA 80kV						
kVp/Reference mass	120kv 200mas/100kv if pt under 140lbs						
Rotation time/pitch	0.5/0.75						
Detector Configuration	16x0.75						
Table Speed/Increment	9						
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	pac	
Helical Set #2 75 second delay	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pac	
	2	thin abd	1mmx 0.8mm	31medium smooth	mediastinum	mpr	
Helical Set #3 15min Delay	recon	body part	thickness spacing	kernel	window	recon destination	
	1	abd	2mmx 2mm	31medium smooth	mediastinum	pac	
	2	thin abd	1mmx 0.8mm	31medium smooth	mediastinum	mpr	
Scan start/end location	1cm above diaphragm through superior iliac crest						
DFOV	40cm decrease appropriately						
IV contrast volume/rate	100ml isovue 370 3cc/sec						
Scan delay	non-contrast no delay/75seconds/15 minute delay						
3D Technique used	2x2 and sag coronal abd reformats from helical set #2, recon 2 and helical set #3 recon 2						

oral

water

comments: Ask Rad after non contrast if you need to continue exam

Performed as directed by a the supervising radiologist

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.

