

# ADRENAL MASS

## 16 GE

Indications	Characterize known adrenal mass (differentiate a met from an adenoma)				
Diagnostic Task	Detect adrenal mass				
Scan mode	Helical				
Position/Landmark	feet first-Supine S25-I500				
Topogram	AP 120kV 10mA Lat 120kV 20mA				
kVp/Reference mass	120kv Smart mA (100-440)				
Rotation time/pitch	0.7/1.375:1				
Detector Configuration	16x1.25				
Table Speed/Increment	27.5				
Dose reduction	Noise Index 15.86				
Allowed CTDI ranges*	7mGy-50mGy				
XR29 Dose Notification value	50mGy				
Helical Set #1 NON-Contrast	recon	body part	thickness spacing	algorithm	recon destination
	1	abdomen	2.5mmx 2.5mm	standard	pac
Helical Set #2 75 second delay	recon	body part	thickness spacing	algorithm	recon destination
	1	abdomen	2.5mmx 2.5mm	standard	pac
	2	sag abdomen	2mmx2mm	standard	pac
	3	coronal abdomen	2mmx2mm	standard	pac
Helical Set #3 15min Delay	recon	body part	thickness spacing	kernel	window recon destination
	1	abd	2.5mmx 2.5mm	standard	pac
	2	sag abdomen	2mmx2mm	standard	pac
	3	coronal abdomen	2mmx2mm	standard	pac
Scan start/end location	1cm above diaphragm/through superior iliac crest				
fov	40cm decrease appropriately				
Scan delay	non-contrast no delay/75 seconds/15 minute delay				
IV contrast volume/rate	100ml isovue 370-3cc/sec				
	Performed as directed by a the supervising radiologist				
oral	water				
	<b>comments: Ask Rad after non contrast if you need to continue exam</b>				

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.

