ADRENAL MASS 16 Emotion

Indications	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 25mA 130kV					
kVp/Reference mass	130kv 120mas/110kv if pt under 140lbs					
Rotation time/pitch	0.6/0.8					
Detector Configuration	16x1.2					
Table Speed/Increment	15.36					
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	recon	body part	thickness spacing	kernel	window	recon destination
75 second delay	1	abd	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	sag	2mmx2mm	31medium smooth	mediastinum	pacs
	3	coronal	2mmx2mm	31medium smooth	mediastinum	pacs
Helical Set #3 15min Delay	recon	body part	thickness spacing	kernal	window	recon destination
	1	abd/pelvis	2mmx 2mm	31medium smooth	mediastinum	pacs
	2	sag	2mmx2mm	31medium smooth	mediastinum	pacs
	3	coronal	2mmx2mm	31medium smooth	mediastinum	pacs
Scan start/end location	1cm above diaphram-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					
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.

Revision Date 5-7-2018
Approved by Dr Ellermeier/Mollard