

3 PHASE ADRENALS

Protocol Title	6.24 3 PHASE ADRENALS				
HDI/VDI					
Patient position:	Supine feet first				
Exam specific instructions:	Have the rad check the non-con images prior to proceeding to the arterial. Check with rad if venous phase should include pelvis				
Indication:	Adrenal nodule / mass; Essential Hypertension; Abnormal labs				
Notes:	Have the rad check the non-con images prior to proceeding to the arterial.				
CONTRAST:	Oral:	None			
	IV:	75 ml Omnipaque 350 / 20ml saline flush @ 2 mL/sec			
 SERIES 1: Dual Scout	GE 120kV/10mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	XY S60/I550	XY S60/I550	XY S60/I550		550
 SERIES 2: *AP W/O* Scan from above diaphragm to lesser trochanters					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical	Helical		Helical
Detector Config	40mm	40mm	40mm		40
Rotation	0.5	0.5	0.5		0.5
Pitch/Speed	0.984/39.37	0.984/39.37	0.984/39.37		0.984/39.37
SFOV	Large Body	Large Body	Large Body		Large Body
kV	120	120	120		120
mA Range	125 - 500	125 - 500	125 - 500		100-560
NI	32.72	32.72	32.72		15.86
Prep Group	N/A	N/A	N/A		NA
DFOV	36	36	36		36
% Dose Reduction	40	40	40		40
ASIR	40	40	40		40
CTDI Range (mGy)	13.04	13.04	13.04		14.82
XR29 Dose Notification	50	50	50		50

	RECON 1	RECON 2	REFORMAT 1	REFORMAT 2
Series Descripton	Adrenal Without ST	Adrenal Without Thins	Coronal Abd	Sagittal Abd
Type	Axial	Axial	Coronal	Sagittal
Start	Diaphragm	Diaphragm	Anterior	Left
End	Crest	Crest	Posterior	Right
Image Order	Craniocaudal	Craniocaudal	Ant to Post	Left to Right
Filter	Standard	Standard	Standard	Standard
Windowing	C40/W350	C40/W350	C40/W350	C40/W350
Render Mode	Average	Average	Average	Average
Slice (mm)	2.5	0.625	2.5	2.5
Increment (mm)	2.5	0.625	2.5	2.5
FOV (mm)	36	36	36	36

 *Smart Prep* Draw circle ROI on aorta at level of kidneys					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Smart Prep					
On	Active				

Dynamic transition	Active				
Monitor location	I50				
mA	40				
Monitor delay	10 sec				
Monitoring ISD	1.4 sec				
Threshold	120				
Auto localizer	On				
Voice message	On				
Auto min delay	On 15 sec				
CTDI Range (mGy)	99.39				
XR29 Dose Notification	N/A				

 SERIES 3 Group 1: *Portal Venous* Scan from above above diaphragm to crest

GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical				Helical
Detector Config	40mm				128x0.625
Rotation	0.5				0.5
Pitch/Speed	0.984/39.37				0.992
SFOV	Large Body				Abdomen
kV	120				120
mA Range	100-560				
NI	30				27
Prep Group	70 sec				70 sec
DFOV	36				450
% Dose Reduction	50				Z Dom/D Dom
ASIR	30				ID3
CTDI Range (mGy)	12.17				
XR29 Dose Notification	50				50

	RECON 1	RECON 2	REFORMAT 1	REFORMAT 2
Series Descripton	Adrenal Arterial ST	Adrenal Arterial Thins	Coronal Abd	Sagittal Abd
Type	Axial	Axial	Coronal	Sagittal
Start	Diaphragm	Diaphragm	Anterior	Left
End	Crest	Crest	Posterior	Right
Image Order	Craniocaudal	Craniocaudal	Ant to Post	Left to Right
Filter	Standard	Standard	Standard	Standard
Windowing	C40/W350	C40/W350	C40/W350	C40/W350
Render Mode	Average	Average	Average	Average
Slice (mm)	2.5	0.625	2.5	2.5
Increment (mm)	2.5	0.625	2.5	2.5
FOV (mm)	36	36	36	36

 SERIES 4: *Delay- 15 min* Scan from above above diaphragm to crest

GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical				Helical
Detector Config	40mm				40mm
Rotation	0.5				0.5
Pitch/Speed	0.984/39.37				0.984/39.37
SFOV	Large Body				Large Body

kV	120				120
mA Range	100-550				100-560
NI	32.72				15.86
Prep Group	900 sec (15 min)				15 min
DFOV	36				36
% Dose Reduction	40				40
ASIR	50				40
CTDI Range (mGy)	14.35				14.82
XR29 Dose Notification	50				50

	RECON 1	RECON 2
Series Descripton	Adrenal 15 Min Delay	Adrenal 15 Min Delay Thins
Type	Axial	Axial
Start	Above Diaphragm	Above Diaphragm
End	Crest	Crest
Image Order	Craniocaudal	Craniocaudal
Filter	Standard	Standard
Windowing	C40/W350	C40/W350
Render Mode	Average	Average
Slice (mm)	2.5	0.625
Increment (mm)	2.5	0.625
FOV (mm)	36	36

Send to PACs
Approving Radiologist / Review Date