

PE/DISSECTION					
Protocol to Use	5.5 CTPA & Aorta for Dissection				
HDI/VDI					
Patient position:	Supine feet first				
Exam specific instructions:					
Indication:	Chest pain, SOB, hypoxia, back pain, hemoptysis				
Notes:					
CONTRAST:	Oral:	None			
	IV:	100mL Omnipaque 350 / 30ml saline flush @ 5mL/s			
 SERIES 1: Dual Scout	Scout 1: LAT S60/I700 120kV 10mA 90 Scout Plane 2T Voice WW/WL 1500/500 Scout 2: AP S60/I700 120kV 10mA 0 Scout Plane 2T Voice WW/WL 500/50				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	SN S20/I700	SN S20/I550			
 SERIES 2: *Chest W/O* Scan above chest to adrenals					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical	Helical		
Detector Config	40mm	64x0.625	64x0.625		
Rotation	0.5	0.5			
Speed	9/39.37	39.37			
SFOV	Large Body	Large Body			
kV	120	120			
mA Range	100-450	75-450			
NI	11.57	32.72			
Prep Group	N/A	NA			
DFOV (cm)	36	35			
% Dose Reduction	40	40			
ASIR	40	40			
CTDI Range (mGy)	11.74				
XR29 Dose Notification	50	50			
Slice (mm)	5	5	5		
Increment (mm)	5	5	5		

	RECON 1
Series Descripton	Chest WO
Type	Axial
Start	Apicies
End	Adrenals
Image Order	Craniocaudal
Filter	Standard
Windowing	C40/W350
Render Mode	Average
Slice (mm)	2.5
Increment (mm)	2.5
FOV (mm)	36

 ***Smart Prep* Draw circle ROI on arch. Continue contrast injection until table begins to move**

GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Smart Prep					
On	Active	Active			
Dynamic transition	Active	Active			
Monitor location	I150	I150			
mA	3 40	40			
Monitor delay	3 sec	6 sec			
Monitoring ISD	1.5 sec	1.5 sec			
Threshold	120	80 Threshold			
Auto localizer	Active	Active			
Voice message	Off	2 Active			
Auto min delay	Off	Active			
 SERIES 3: *Arterial PE/Aorta* Scan above shoulders to lesser trochanters					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical			
Detector Config	40mm	64x0.625			
Rotation	0.5	0.5			
Speed/Pitch	0.9/39.37	39.38			
SFOV	Large Body	Large Body			
kV	120	120			
mA Range	100-550	75-450			
NI	21.45	32.72			
Prep Group	N/A	Smart Prep			
DFOV (cm)	36	35			
% Dose Reduction	40	40			
ASIR	40	40			
CTDI Range (mGy)	14.35				
XR29 Dose Notification	50	50			

	RECON1	RECON 2	RECON 3	REFORMAT 1	REFORMAT 2
Series Descripton	Arterial PE/Aorta	Lung	Thin	MIP Sag 4X2	MIP Cor 4X2
Type	Axial	Axial	Axial	Sagittal	Coronal
Start	Apicies	Apicies	Apicies	Left	Anterior
End	Adrenals	Adrenals	Adrenals	Right	Posterior
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Left to Right	Ant to Post
Filter	Standard	Lung	Standard	Standard	Standard
Windowing	C40/W350	C-500/W2000	C40/W350	C40/W350	C40/W350
Render Mode	Average	Average	Average	MIP	MIP
Slice (mm)	1.25	2.5	0.625	4	4
Increment (mm)	1.25	2.5	0.625	2	2
FOV (mm)	36	36	36	36	36

	RECON 4	REFORMAT 3	REFORMAT 4
Series Descripton	Thin Lung	MIP Axial Lung	Coronal Lung
Type	Axial	Axial	Coronal
Start	Apicies	Apicies	Anterior
End	Adrenals	Adrenals	Posterior
Image Order	Craniocaudal	Craniocaudal	Ant to Post
Filter	Lung	Left to right	Lung

Windowing	C-500/W2000	C-500/W2000	C-500/W2000
Render Mode	Average	MIP	Average
Slice (mm)	0.625	7	2.5
Increment (mm)	0.625	1	2.5
FOV (mm)	36	36	36

	RECON 5	REFORMAT 5	REFORMAT 6	REFORMAT 7	RECON 6
Series Descripton	Thin Chest	MIP Cor 7X1	Sagittal ST	MIP Obl Arch	Super D
Type	Axial	Coronal	Sagittal	MIP	Axial
Start	Apicies	Anterior	Left	Anterior	Apicies
End	Adrenals	Posterior	Right	Posterior	Adrenals
Image Order	Craniocaudal	Ant to Post	Left to Right	Ant to Post	Craniocaudal
Filter	Standard	Standard	Standard	Standard	Standard
Windowing	C40/W350	C40/W350	C40/W350	C40/W350	C40/W350
Render Mode	Average	MIP	Average	Average	Average
Slice (mm)	0.625	7	2.5	???	1
Increment (mm)	0.625	1	2.5	???	0.8
FOV (mm)	36	36	36	36	36

Send to PACs
Approving Radiologist / Review Date