

CHEST VENOGRAM

Protocol to Use	5.13 Chest Venogram				
HDI/VDI					
Patient position:	Supine Feet First				
Exam specific instructions:					
Indication:	Suspected venous occlusion, mapping for line placement, central venous stenosis				
Notes:	Not for Afib - Oly only 70 second delay				
CONTRAST:	Oral:	None			
	IV:	Below 200lbs- 75mL Above 200lbs- 100mL Omnipaque 350 + 20ml Saline Flush @ 4mL/sec 18 or 20 gauge Omnipaque 350 + 20ml Saline Flush @ 4mL/sec			
 SERIES 1: Dual Scout	GE 120kV/10mA				
	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	SN S50/I350	SN S50/I350		S60/I350	
 SERIES 2: Scan craniocaudal from above shoulders through adrenals					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical		Helical	
Detector Config	40mm	40mm		80mm	
Rotation	0.5	0.625		0.5	
Pitch/Speed	0.984/39.375	0.984/39.37		0.992/1	
SFOV	Large Body	Large Body		Large Body	
kV	120	120		120	
mA Range	100-450	100-450		100-450	
NI	15.86	11.4		15.4	
Prep Group	70 sec	70 sec		70 sec	
DFOV (cm)	36	36		32	
% Dose Reduction	40	40		40	
ASIR %	40	40		40	
CTDI (mGy)	10.12	9.35		15.31	
XR29 Dose Notification (mGy)	50	50		50	

	RECON 1	RECON 2	RECON 3	RECON 4	REFORMAT 1
Series Descripton	Axial Thins	Lung	Axial ST	Thin Lung	MIP Axial Lung
Type	Axial	Axial	Axial	Axial	Axial
Start	Apicies	Apicies	Apicies	Apicies	Apicies
End	Adrenals	Adrenals	Adrenals	Adrenals	Adrenals
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Lung	Standard	Lung	Lung
Windowing	C40/W350	C-500/W2000	C40/W350	C-500/W2000	C-500/W2000
Render Mode	Average	Average	Average	Average	MIP
Slice (mm)	0.625	2.5	2.5	0.625	20
Increment (mm)	0.625	2.5	2.5	0.625	2.5
FOV (mm)	36	36	36	36	36

REFORMAT 2	REFORMAT 3	REFORMAT 4	RECON 5
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Series Descripton	Coronal Lung	MIP Coronal	MIP Sagittal	Super D
Type	Coronal	Coronal	Sagittal	Axial
Start	Anterior	Anterior	Left	Apicies
End	Posterior	Posterior	Right	Adrenal
Image Order	Ant to Post	Ant to Post	Left to Right	Craniocaudal
Filter	Lung	Standard	Standard	Standard
Windowing	C-500/W2000	C40/W350	C40/W350	C40/W350
Render Mode	Average	MIP	MIP	Average
Slice (mm)	2.5	20	20	1.25
Increment (mm)	2.5	2.5	2.5	1
FOV (mm)	36	36	36	36

Send to PACs
Approving Radiologist / Review Date: Dr. Praveen Rao 12/19/2023