

HIGH RES CHEST					
Protocol to Use	5.12 Volumetric High Res Chest				
HDI/VDI					
Patient position:	Supine and Prone Feet First				
Exam specific instructions:					
Indication:	Suspected or known interstitial lung disease, asbestosis				
Notes:					
CONTRAST:	Oral:	None			
	IV:	None			
 SERIES 1: Dual Scout	GE 120kV/10mA				
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
	SN S60/I350	S0/I300	S0/I260	S0/I260	
 SERIES 2: *Supine Inspiration* Scan craniocaudal from apex to just above posterior angles					
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	40mm	
Rotation	0.5	0.984	0.984	0.984	
Pitch/Speed	0.9/39.37	39.375	39.375	39.75	
SFOV	Large Body	Large Body	Large Body	Large Body	
kV	120	120	120	120	
mA Range	130-450	130-450	130-450	130-450	
NI	21.45	21	32		
Prep Group	N/A	N/A	N/A	N/A	
DFOV (cm)	30	36	36	36	
% Dose Reduction	40	40	40	40	
ASIR %	40	40	40	40	
CTDI (mGy)	11.74	2.89	11.8		
XR29 Dose Notification (mGy)	50	50	50	50	

	RECON1	RECON 2	REFORMAT 1	REFORMAT 2	RECON 3
Series Descripton	Supine Insp Chest	Inspiration Thin	Coronal ST	MIP Thick Axial	Thin Lung Inspiration
Type	Axial	Axial	Coronal	Axial	Axial
Start	Apicies	Apicies	Apicies	Apicies	Apicies
End	Adrenals	Adrenals	Adrenals	Adrenals	Adrenals
Image Order	Craniocaudal	Craniocaudal	Ant to Post	Craniocaudal	Craniocaudal
Filter	Lung	Bone	Bone	Bone	Lung
Windowing	C-500/W2000	C-500/W2000	C-500/W2000	C-500/W2000	C-500/W2000
Render Mode	Average	Average	Average	MIP	Average
Slice (mm)	1.25	0.625	2.5	20	0.625
Increment (mm)	1.25	0.625	2.5	2.5	0.625
FOV (mm)	30	30	30	30	30

	RECON 4	RECON 5
Series Descripton	Axial 5X5	Super D
Type	Axial	Axial
Start	Apicies	Apicies

End	Adrenals	Adrenals
Image Order	Craniocaudal	Craniocaudal
Filter	Standard	Standard
Windowing	C40/W350	C40/W350
Render Mode	Average	C40/W350
Slice (mm)	2.5	1.25
Increment (mm)	2.5	1
FOV (mm)	30	30

 SERIES 3: *Supine Expiration* Scan craniocaudal from apex to just above posterior angles					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Axial	Helical	Helical	Helical	
Detector Config	20mm	40mm	40mm	40mm	
Rotation	0.5	0.984	0.984	0.984	
Pitch/Speed	N/A	39.375	39.375	39.75	
SFOV	Large Body	Large Body	Large Body	Large Body	
kV	120	120	120	120	
mA Range	130-450	130-450	130-450	130-450	
NI	32	32	32	32	
Prep Group	N/A	N/A	N/A	N/A	
DFOV (cm)	36	36	36	36	
% Dose Reduction	40	40	40	40	
ASIR %	40	40	40	40	
CTDI (mGy)	9.46	2.89	11.8		
XR29 Dose Notification (mGy)	50	50	50	50	

	RECON1
Series Descripton	Supine Expiration Chest
Type	Axial
Start	Apicies
End	Adrenals
Image Order	Craniocaudal
Filter	Standard
Windowing	C-500/W2000
Render Mode	Average
Slice (mm)	1.25
Increment (mm)	20
FOV (mm)	30

 SERIES 4: *Prone Inspiration* Scan craniocaudal from apex to just above posterior angles					
GE	GE 64 2nd FL	GE 64	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Axial	Helical	Helical	Helical	
Detector Config	40mm	40mm	40mm	40mm	
Rotation	0.5	0.984	0.984	0.984	
Pitch/Speed	N/A	39.375	39.375	39.375	
SFOV	Large Body	Large Body	Large Body	Large Body	
kV	120	120	120	120	
mA Range	130-450	130-450	130-450	130-450	

NI	32	32	32	32	
Prep Group	N/A	N/A	N/A	N/A	
DFOV (cm)	36	36	36	36	
% Dose Reduction	40	40	40	40	
ASIR %	40	40	40	40	
CTDI (mGy)	9.46	2.89	11.8		
XR29 Dose Notification (mGy)	50	50	50	50	

	RECON1
Series Descripton	Prone Inspiration Chest
Type	Axial
Start	Apicies
End	Adrenals
Image Order	Craniocaudal
Filter	Standard
Windowing	C-500/W2000
Render Mode	Average
Slice (mm)	1.25
Increment (mm)	20
FOV (mm)	30

Send to PACs
Approving Radiologist / Review Date