

NECK CHEST W					
Protocol to Use	NECK CHEST				
Patient position:	Supine Head First				
Exam specific instructions:	This exam is aquired in two separate injections/scans				
Indication:	Abscess, mass, infection, tumor detection, staging, trauma				
Notes:	Scout neck and chest with arms up. Scan chest at 40 sec with arms up with auto mA then move patient in to frontal sinus bring arms down and scan neck with fixed technique.				
CONTRAST:	Oral:	None			
	IV:	Below 200lbs: 75mL Above 200lbs: 100mL *HDI - Omnipaque 350 + 20ml Saline Pre-Flush and 30ml Saline Post-Flush *VDI - Omnipaque 350 @ 2mL/sec			
 SERIES 1: Dual Scout	GE 120 kV/ 20mA				
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CTS ER	PET CT
	SN S200/I300	SN S200/I300	S60/I375	OM S75/I500	
 SERIES 2 Group 1 (Chest): Scan craniocaudal from above lungs through adrenals					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical	Helical	Helical	
Detector Config	40mm	40mm	40mm	80mm	
Rotation	0.5	0.984	0.984	0.5	
Pitch/Speed	0.9/39.375	39.375	39.375	0.992/1	
SFOV	Large Body	Large Body	Large Body	Large Body	
kV	120	120	120	120	
mA Range	100-500	100-500	75-450	100-550	
NI	12.6	12.6	32.72	15.4	
Prep Group	40 sec delay	40 sec delay	40 sec delay	40 sec delay	
DFOV (cm)	36	36	36	36	
% Dose Reduction	N/A	40	40	40	
ASIR %	N/A	40	40	40	
CTDI (mGy)	13.04	13.04	9.7	18.37	
XR29 Dose Notification (mGy)	50	50	50	50	

	RECON 1	REFORMAT 1	REFORMAT 2	RECON 2
Series Descripton	Chest Thins	Coronal ST	Sagittal ST	Chest
Type	Axial	Coronal	Sagittal	Axial
Start	Apicies	Anterior	Left	Apicies
End	Adrenals	Posterior	Right	Adrenals
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Standard	Standard	Lung
Windowing	C40/W400	C40/W400	C40/W400	C-500/W2000
Render Mode	Average	Average	Average	Average
Slice (mm)	0.625	2.5	2.5	2.5
Increment (mm)	0.625	2.5	2.5	2.5
FOV (mm)	36	36	36	36

RECON 3	REFORMAT 3	RECON 4	RECON 5
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Series Descripton	Lung Thin	Coronal Lung	Chest	Super D
Type	Axial	Coronal	Axial	Axial
Start	Apicies	Anterior	Apicies	Apicies
End	Adrenals	Posterior	Adrenals	Adrenals
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Lung	Standard	Standard	Standard
Windowing	C-500/W2000	C-500/W2000	C-40/W350	C40/W350
Render Mode	Average	Average	Average	Average
Slice (mm)	0.625	2.5	2.5	1.25
Increment (mm)	0.625	2.5	2.5	1
FOV (mm)	36	36	36	36

 SERIES 2 Group 1 (NECK): Scan craniocaudal from above lungs through adrenals					
GE	GE 64 2nd FL	GE 64 ER	GE 64 OLY	GE CTS ER	PET CT
Scan Type	Helical	Helical	Helical	Helical	Helical
Detector Config	40mm	40mm	40mm	40mm	40mm
Rotation	0.5	0.5	0.984	0.5	0.5
Pitch/Speed	0.9/39.37	39.375	39.375	78.75 ma/s	0.9/39.37
SFOV	Small Body	Large Body	Large Body	Large Body	Large Body
kV	120	120	120	120	120
mA Range	75-450	75-450	75-450	100-450	100-560
NI	12.6	12.6	32.72	5.1	9.38
Prep Group	N/A	N/A	N/A	N/A	N/A
DFOV (cm)	25	25	36	36	36
% Dose Reduction	N/A	40	40	40	40
ASIR %	N/A	40	40	40	40
CTDI (mGy)	10.29	10.29	9.7	15.56	14.8
XR29 Dose Notification (mGy)	50	50	50	50	50

	RECON 1	REFORMAT 1	REFORMAT 2	RECON 4
Series Descripton	Neck Thins	Coronal ST	Sagittal ST	Neck
Type	Axial	Coronal	Sagittal	Axial
Start	Frontal Sinus	Anterior	Left	Frontal Sinus
End	Carina	Posterior	Right	Carina
Image Order	Craniocaudal	Craniocaudal	Craniocaudal	Craniocaudal
Filter	Standard	Standard	Standard	Standard
Windowing	C40/W400	C40/W400	C40/W400	C40/W350
Render Mode	Average	Average	Average	Average
Slice (mm)	0.625	2.5	2.5	2.5
Increment (mm)	0.625	2.5	2.5	2.5
FOV (mm)	25	25	25	25

Send to PACs
Approving Radiologist / Review Date: Dr. Praveen Rao 4/26/2023