RIH – IV CONTRAST NECK CHEST ABDOMEN PELVIS SIEMENS DEFINITION AS20 PROTOCOL

Indications - mass, lymphoma, adenopathy, mets, abscess.

Position/Landmark		Head first or feet first-Supine				
Topogram Direction	1cm superior to skull vertex Craniocaudal / Craniocaudal					
Respiratory Phase	Inspiration					
Scan Type	Helical					
Scan Type	Neck Chest Abd Pelvis					
Ref kV/Ref mAs/Rotation time (sec) Pitch / Speed (mm/rotation) Safire Strength / Dose Optimization Detector width x Rows = Beam		Chest Abd Pelvis Care kV 120/Care Dose4D 100/0.5sec Care kV 120/Care Dose4D 210/0.5sec .8:1, 16.00mm				
Collimation			1.23IIIII X 10 – 2	COIIIII		
Average Tube Output	First	Helical: ctdi – 9.7 dlp – 305	mGy Sec 5.6 mGy.cm	cond Helical: ctdi - dlp -	– 11.0mGy – 856 mGy.cm	
First Helical Set		body	thickness/		recon	
Slice Thickness/ Spacing	recon	part	spacing	algorithm	destination .	
Algorithm	1	axial iv neck	3mm x 3mm	I40f medium	pacs	
Recon Destination		coronal iv neck	3mm x 3mm	I40f medium	pacs	
	3	thin neck	1.5mm x 1mm	I40f medium	terarecon	
Second Helical Set		body	thickness/		recon	
Slice Thickness/ Spacing	recon	part	spacing	algorithm	destination .	
Algorithm Recon Destination	1	axial chest	5mm x 5mm	I40f medium	planning	
Recoil Destination		axial abd pelvis	5mm x 5mm	I40f medium	planning	
		xial chest abd pel		I40f medium	pacs	
			pelvis 5mm x 5mm	I40f medium	pacs	
		thin chest abd pelv			terarecon	
Scan Start / End Locations	6	lungs neck	5mm x 5mm	I70f very sharp	pacs	
Scan Start / End Locations		external auditory	montus	chest abd policy chest abd policy long to l		
		aortic arch		lesser trocha	U 1	
DFOV		18cm		38cm	inters	
		100111	decrease appropr			
IV Contrast Volume / Type / Rate						
3 P		then 5 minute delay				
	then 100mL Iohexol (Omnipaque 300), 3mL/sec When oral contrast is prescribed, refer to the appropriate oral contrast a					
	prepar	preparation and procedure guide.				
Scan Delay	30 seconds					
2D/3D Technique Used Workstream 4D mpr of 3mm x 3mm coronal neck series, auto-tra PACS.					-transferred to	
	Workstream 4D mpr of 5mm x 5mm coronal chest abd pelvis series, autotransferred to PACS.					
Comments: Recons 1 and 2 of the chest abdomen pelvis are for planning only. This is needed to apply X-Care to						
only the chest; while keeping the chest abdomen and pelvis in a single volume. Recon 3 is a thin helical volume of						
the neck that is archived to the TeraRecon server. Recon 5 is a thin helical volume of the chest abd pelvis that is archived to the TeraRecon server.						
Images required in PACS	Topograms, 3mm x 3mm neck, 3mm x 3mm coronal neck, 5mm x 5mm axial					
	chest abd pelvis, 5mm x 5mm coronal chest abd pelvis, 5mm x 5mm axial					
	lungs, Patient Protocol					
						