RIH – IV CONTRAST CHEST ABDOMEN PELVIS THORACIC AND LUMBAR SPINES
SIEMENS DEFINITION AS+ PROTOCOL

Position/Landmark	Head first or feet first-Supine 1cm superior to skull vertex
Topogram Direction	Craniocaudal / Craniocaudal
Respiratory Phase	Inspiration
Scan Type	Helical
Ref kV/Ref mAs/Rotation time (sec) **Pitch / Speed (mm/rotation)** **Safire Strength / Dose Optimization**	Care kV 120 / Care Dose4D 210 / 0.5sec .8:1 , 32.00mm 3 / 6
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm (128 x .6mm)
Average Tube Output	ctdi – 11.0mGy dlp – 856 mGy.cm

Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon	body part	thickness/ spacing	algorithm	recon destination .
	1	**axial chest abd pelvis**	5mm x 5mm	I40f medium	pacs
	2	**axial t and l spine**	3mm x 3mm	I40f medium	pacs
	3	**lungs**	5mm x 5mm	I70f very sharp	pacs
	4	**coronal chest abd pelvis**	5mm x 5mm	I40f medium	pacs
	5	**coronal t spine**	3mm x 3mm	I70f very sharp	pacs
	6	**coronal l spine**	3mm x 3mm	I70f very sharp	pacs
	7	**sagittal t spine**	3mm x 3mm	I70f very sharp	pacs
	8	**sagittal l spine**	3mm x 3mm	I70f very sharp	pacs

Scan Start / End Locations **DFOV**	1cm superior to lung apices lesser trochanters 38cm decrease appropriately
IV Contrast Volume / Type / Rate	30mL Iohexol (Omnipaque 300) followed by 40mL of saline prior to scouts then 5 minute delay then 100mL Iohexol (Omnipaque 300) , 3mL/sec When oral contrast is prescribed, refer to the appropriate oral contrast agent's preparation and procedure guide.
Scan Delay	50 seconds
2D/3D Technique Used	Workstream 4D mpr of 5mm x 5mm **coronal chest, abdomen, pelvis** series , average mode, 3mm x 3mm **sagittal and coronal reformats thoracic and lumbar spines**, average mode
Comments:	
Images required in PACS	Topograms, 5mm x 5mm axial chest abdomen pelvis, 5mm x 5mm coronal chest abdomen pelvis, 5mm x 5mm axial lungs, 3mm x 3mm axial thoracic and lumbar spines, 3mm x 3mm coronal and sagittal thoracic spine, 3mm x 3mm coronal and sagittal lumbar spine, Patient Protocol

updated Jan 23, 2017