RIH – PE ABDOMEN PELVIS
SIEMENS DEFINITION AS20 PROTOCOL

Position/Landmark	Head first or feet first-Supine 2cm superior to shoulders
Topogram Direction	Craniocaudal / Craniocaudal
Respiratory Phase	Suspension (not Inspiration)
Scan Type	Helical
Ref kV/Ref mAs/Rotation time (sec) **Pitch / Speed (mm/rotation)** **Safire Strength / Dose Optimization**	PE Abdomen Pelvis Care kV 120/Care Dose4D 150/0.5sec Care kV 120/Care Dose4D 210/0.5sec 1:2 , 24.00mm .8:1 , 16.00mm 3 / 6 3 / 6
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm
Average Tube Output	First Helical: ctdi – 9 mGy Second Helical: ctdi – 11.3mGy dlp – 347 mGy.cm dlp – 613 mGy.cm

First Helical Set
Slice Thickness/ Spacing
Algorithm
Recon Destination

recon	body part	thickness/ spacing	algorithm	recon destination
1	**axial pe**	2mm x 2mm	I40f medium	pacs
2	**lungs**	5mm x 5mm	I70f very sharp	pacs
3	**coronal chest**	2mm x 2mm	I40f medium	pacs
4	thin chest	1.5mm x 1mm	I40f medium	terarecon

Second Helical Set
Slice Thickness/ Spacing
Algorithm
Recon Destination

recon	body part	thickness/ spacing	algorithm	recon destination
1	**iv abdomen/pelvis**	5mm x 5mm	I40f medium	pacs
2	**coronal iv abd/pelvis**	5mm x 5mm	I40f medium	pacs
3	thin abd/pelvis	1.5mm x 1mm	I40f medium	terarecon

Scan Start / End Locations **DFOV**	30mL Iohexol (Omnipaque 350) followed by 40mL of saline prior to scouts then 5 minute delay then 100mL Iohexol (Omnipaque 350) , 4mL/sec
IV Contrast Volume / Type / Rate	pe cta abdomen/pelvis 22 seconds 55 seconds 38cm decrease appropriately
Scan Delay	30mL Iohexol (Omnipaque 350) followed by 40mL of saline prior to scouts then 5 minute delay then 100mL Iohexol (Omnipaque 350) , 4mL/sec
2D/3D Technique Used	Workstream 4D mpr of 2mm x 2mm **coronal chest mip** series, auto-transferred to PACS. Workstream 4D mpr of 5mm x 5mm **coronal abdomen/pelvis** series, auto-transferred to PACS.
Comments: Recon 4 is a thin helical volume of the chest that is archived to the TeraRecon server. Recon 3 is a thin helical volume of the abdomen/pelvis that is archived to the TeraRecon server.	
Images required in PACS	Topograms, 2mm x 2mm axial pe cta , 2mm x 2mm coronal chest mip, 5mm x 5mm axial lungs, 5mm x 5mm axial abdomen/pelvis, 5mm x 5mm coronal abdomen/pelvis, Patient Protocol

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