RIH – PEDI IV CONTRAST ABDOMEN/PELVIS AND LUMBAR SPINE
SIEMENS DEFINITION AS20 PROTOCOL

Position/Landmark	Head first or feet first-Supine Sternal Notch
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 , 16.00mm 3 / 6
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm
Average Tube Output	ctdi – 10.0mGy dlp – 500mGy.cm
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / recon destination 1 **iv abdomen/pelvis** 3mm x 3mm I40f medium pacs 2 **coronal iv abd/pelvis** 3mm x 3mm I40f medium pacs 3 **axial lumbar spine** 3mm x 3mm I70f very sharp pacs 4 **coronal lumbar spine** 3mm x 3mm I70f very sharp pacs 5 **sagittal lumbar spine** 3mm x 3mm I70f very sharp pacs 6 thin abd/pelvis 1.5mm x 1mm I40f medium terarecon
Scan Start / End Locations **DFOV**	1 cm superior to diaphragm lesser trochanters 38cm decrease appropriately
IV Contrast Volume / Type / Rate	Contrast volume is 1cc per pound of body weight Omnipaque300 / 2cc per second or hand injection if necessary When oral contrast is prescribed, refer to the appropriate oral contrast agent's preparation and procedure guide.
Scan Delay	50 seconds or just after hand bolus is completed
2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm **coronal abdomen/pelvis** series, 3mm x 3mm **axial lumbar** series, 3mm x 3mm **coronal lumbar** series, 3mm x 3mm **sagittal lumbar** series, auto-transferred to PACS.
Comments: Recon 6 is a thin helical volume of the abdomen/pelvis that is archived to the TeraRecon server.	
Images required in PACS	Topograms, 3mm x 3mm axial abdomen/pelvis, 3mm x 3mm coronal abdomen/pelvis, 3mm x 3mm axial lumbar spine, 3mm x 3mm coronal lumbar spine, 3mm x 3mm sagittal lumbar spine, Patient Protocol