

**RIH – PEDI IV CONTRAST ABDOMEN/PELVIS  
SIEMENS DEFINITION AS20 PROTOCOL**

**Indications – trauma, mass, mets, lymphoma, abscess, general screening.**

<b>Position/Landmark</b>	Head first or feet first-Supine Sternal Notch
<b>Topogram Direction</b>	Craniocaudal / Craniocaudal
<b>Respiratory Phase</b>	Inspiration
<b>Scan Type</b>	Helical
<b>Ref kV/Ref mAs/Rotation time (sec) Pitch / Speed (mm/rotation) Safire Strength / Dose Optimization</b>	Care kV 100 / Care Dose4D 210 / 0.5 sec .8:1 , 16.00mm 3 / non contrast 3 contrast 7
<b>Detector width x Rows = Beam Collimation</b>	1.25mm x 16 = 20mm
<b>Average Tube Output</b>	ctdi – 5.0mGy dlp – 250mGy.cm
<b>Helical Set</b>	body thickness/ recon part spacing algorithm recon destination .
Slice Thickness/ Spacing	1 <b>iv abdomen/pelvis</b> 3mm x 3mm I40f medium pacs
Algorithm	2 <b>coronal iv abd/pelvis</b> 3mm x 3mm I40f medium pacs
Recon Destination	3 <b>sagittal iv abd/pelvis</b> 3mm x 3mm I40f medium pacs 4 thin abd/pelvis 1.5mm x 1mm I40f medium terarecon
<b>Scan Start / End Locations</b>	1 cm superior to diaphragm lesser trochanters
<b>DFOV</b>	38cm decrease appropriately
<b>IV Contrast Volume / Type / Rate</b>	Contrast volume is 1cc per pound of body weight Omnipaque300 / 2cc per second  or hand injection if necessary
<b>Scan Delay</b>	65 seconds or just after hand bolus is completed
<b>2D/3D Technique Used</b>	Workstream 4D mpr of 3mm x 3mm <b>coronal and sagittal abdomen/pelvis</b> series, auto-transferred to PACS.
<b>Comments:</b> Recon 4 is a thin helical volume of the abdomen/pelvis that is archived to the TeraRecon server.	
<b>Images required in PACS</b>	Topograms, 3mm x 3mm axial abdomen/pelvis, 3mm x 3mm coronal abdomen/pelvis, 3mm x 3mm sagittal abdomen/pelvis, Patient Protocol