

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

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

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 / 0.5 sec .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	<table border="0"> <thead> <tr> <th>recon</th> <th>body part</th> <th>thickness/ spacing</th> <th>algorithm</th> <th>recon destination .</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>iv abdomen/pelvis</td> <td>5mm x 5mm</td> <td>I40f medium</td> <td>pac</td> </tr> <tr> <td>2</td> <td>coronal iv abd/pelvis</td> <td>5mm x 5mm</td> <td>I40f medium</td> <td>pac</td> </tr> <tr> <td>3</td> <td>thin abd/pelvis</td> <td>1.5mm x 1mm</td> <td>I40f medium</td> <td>terarecon</td> </tr> </tbody> </table>	recon	body part	thickness/ spacing	algorithm	recon destination .	1	iv abdomen/pelvis	5mm x 5mm	I40f medium	pac	2	coronal iv abd/pelvis	5mm x 5mm	I40f medium	pac	3	thin abd/pelvis	1.5mm x 1mm	I40f medium	terarecon
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Scan Start / End Locations DFOV	1 cm superior to diaphragm lesser trochanters 38cm decrease appropriately																				
IV Contrast Volume / Type / Rate	30mL Iohexol (Omnipaque 300) followed by 20mL of saline prior to scouts then 5 minute delay then 100mL Iohexol (Omnipaque 300) , 3mL/sec 55 second scan delay When oral contrast is prescribed, refer to the appropriate oral contrast agent's preparation and procedure guide.																				
Scan Delay	55 seconds																				
2D/3D Technique Used	Workstream 4D mpr of 5mm x 5mm coronal abdomen/pelvis series, auto- transferred to PACS.																				
Comments: Recon 3 is a thin helical volume of the abdomen/pelvis that is archived to the TeraRecon server.																					
Images required in PACS	Topograms, 5mm x 5mm axial abdomen/pelvis, 5mm x 5mm coronal abdomen/pelvis, Patient Protocol																				