

**RIH – IV CONTRAST ABDOMEN/PELVIS AND LUMBAR SPINE
SIEMENS DEFINITION AS+ 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 / 0.5 sec .8:1 , 32.00mm 3 / 6																																			
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm (128 x .6mm)																																			
Average Tube Output	ctdi – 10.0mGy dlp – 500mGy.cm																																			
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	<table border="1"> <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>axial lumbar spine</td> <td>3mm x 3mm</td> <td>I70f very sharp</td> <td>pac</td> </tr> <tr> <td>4</td> <td>coronal lumbar spine</td> <td>3mm x 3mm</td> <td>I70f very sharp</td> <td>pac</td> </tr> <tr> <td>5</td> <td>sagittal lumbar spine</td> <td>3mm x 3mm</td> <td>I70f very sharp</td> <td>pac</td> </tr> <tr> <td>6</td> <td>thin abd/pelvis</td> <td>.75mm x .7mm</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	axial lumbar spine	3mm x 3mm	I70f very sharp	pac	4	coronal lumbar spine	3mm x 3mm	I70f very sharp	pac	5	sagittal lumbar spine	3mm x 3mm	I70f very sharp	pac	6	thin abd/pelvis	.75mm x .7mm	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.																																			
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2D/3D Technique Used	Workstream 4D mpr of 5mm x 5mm 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, 5mm x 5mm axial abdomen/pelvis, 5mm x 5mm coronal abdomen/pelvis, 3mm x 3mm axial lumbar spine, 3mm x 3mm coronal lumbar spine, 3mm x 3mm sagittal lumbar spine, Patient Protocol																																			