

**RIH – NON CONTRAST ABDOMEN/PELVIS  
GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL**

**Indications: Evaluation of the abdomen for aortic aneurysm or retroperitoneal bleed.**

<b>Position/Landmark</b>	Head first or feet first-Supine Xyphoid			
<b>Topogram Direction</b>	Craniocaudal			
<b>Respiratory Phase</b>	Inspiration			
<b>Scan Type</b>	Helical			
<b>KV / mA / Rotation time (sec) Pitch / Speed (mm/rotation) Noise Index / ASiR / Dose Reduction</b>	120kv / smart mA (100-440) / 0.5 sec 1.375:1 , 27.50mm 13.5 / 30 / 30%			
<b>Detector width x Rows = Beam Collimation</b>	1.25mm x 16 = 20mm			
<b>Average Tube Output</b>	ctdi – 17.3mGy dlp – 872 mGy.cm			
<b>Helical Set</b>	recon	body part	thickness/ spacing	recon destination .
Slice Thickness/ Spacing	1	<b>abdomen/pelvis</b>	5mm x 5mm	pac
Algorithm	2	thin abd/pelvis	1.25mm x .6mm	standard
Recon Destination				for dmpr
<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>				
<b>Scan Delay</b>				
<b>2D/3D Technique Used</b>	DMPR of 5mm x 5mm <b>coronal abdomen/pelvis</b> series (auto-batch on), average mode, auto-transferred to PACS.			
<b>Comments:</b>				
<b>Images required in PACS</b>	Scouts, 5mm x 5mm axial abdomen/pelvis, 5mm x 5mm coronal abdomen/pelvis, Dose Report			