## RIH – ABDOMEN/PELVIS CT VENOGRAM GE LIGHTSPEED VCT PROTOCOL

**Indications: Abdominal/iliac venous thrombus** 

Position/Landmark		Head first or feet first-Supine				
Topogram Direction	Xyphoid Craniocaudal					
Danish Arma Dhana	Toronto d'					
Respiratory Phase	Inspiration					
Scan Type	Helical					
KV / mA / Rotation time (sec)	120kv / smart mA (120-450) / 0.5 sec					
Pitch / Speed (mm/rotation) Noise Index / ASiR / Dose Reduction	.984:1 , 39.37mm 11.5 / 70 / 30%					
Detector width x Rows = Beam	11.5 / 70 / 30% $0.625 mm x  64 = 40 mm$					
Collimation						
Average Tube Output	First	Helical: ctdi – 11.3r dlp – 313 r		Second Helical: ct	di – 11.3mGy p – 616 mGy.cm	
First Helical Set		body	thickness/	ui	recon	
Slice Thickness/ Spacing	recon	part	spacing	algorithm	destination .	
Algorithm Recon Destination	1	nc pelvis	5mm x 5mm	standard	pacs	
Second Helical Set		body	thickness/		recon	
Slice Thickness/ Spacing	recon	part	spacing	algorithm	destination .	
Algorithm Recon Destination	$\begin{bmatrix} 1 & iv \\ 2 & \end{bmatrix}$	v abdomen/pelvis	5mm x 5mm .6mm x .6mm		pacs	
Scan Start / End Locations	2	thin abd/pelvis non contra		standard venograr	for dmpr	
Sean Start / Blid Bocations		1 cm superior to il	cm superior to diaphragm			
	lesser trochanters mid-thigh					
DFOV	38cm					
TY C	decrease appropriately					
IV Contrast Volume / Type / Rate	100mL Iohexol (Omnipaque 350) 4mL/sec					
Scan Delay	Smart prep at distal inferior vena cava, inferior to the renal veins					
2D/3D Technique Used	DMPR of 5mm x 5mm <b>coronal abdomen/pelvis</b> series (auto-batch on), mip mode, auto-transferred to PACS.					
<b>Comments:</b> There is a non-contrast se				has 60 second sca	n delay. The	
monitor phase will scan 1 image ever						
peaks/levels off, the helical scan shou contrast bolus will result in higher ive			st bolus is injecte	d at 4mL/second b	ecause a tight	
Images required in PACS	Scouts, 5mm x 5mm axial non-contrast pelvis, 5mm x 5mm axial abdomen/pelvis venogram, 5mm x 5mm coronal abdomen/pelvis venogram mip, Dose Report					