RIH – IV CONTRAST CT ENTEROGRAPHY
GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL

Indications: study for the evaluation of diseases affecting the mucosa and bowel wall

Position/Landmark	Head first or feet first-Supine Xyphoid
Topogram Direction	Craniocaudal
Respiratory Phase	Inspiration
Scan Type	Helical
KV / mA / Rotation time (sec) **Pitch / Speed (mm/rotation)** **Noise Index / ASiR / Dose Reduction**	120kv / smart mA (100-440) / 0.5 sec 1.375:1 , 27.50mm 13.5 / 30 / 30%
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm
Average Tube Output	ctdi – 17.3mGy dlp – 872 mGy.cm
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / recon destination . 1 **abdomen/pelvis** 5mm x 5mm standard pacs 2 thin abd/pelvis 1.25mm x .6mm standard for dmpr
Scan Start / End Locations **DFOV**	1 cm superior to diaphragm lesser trochanters 38cm decrease appropriately
IV Contrast Volume / Type / Rate	Pre-scan contrast: 30cc omni 350 2cc/sec Wait a minimum of 5 minutes Helical scan contrast: 100cc omni 350 3cc/sec
Scan Delay	55 seconds
2D/3D Technique Used	DMPR of 5mm x 5mm **coronal abdomen/pelvis** series (auto-batch on), average mode, auto-transferred to PACS.
Comments: CT Enterography is a routine iv contrast abdomen/pelvis ct with **volumen as the oral contrast agent.** The volumen prep is: drink one bottle, establish iv access, – then a second bottle of volumen. The total prep time should be approximately 30 minutes. The patient should also drink 2 cups of water just prior to laying down on the ct table.	
Images required in PACS	Scouts, 5mm x 5mm axial abdomen/pelvis, 5mm x 5mm coronal abdomen/pelvis, Dose Report

updated Jan 23, 2017