RIH – ROUTINE PELVIS
GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL

Indications: mass, metastases, lymphoma. For CT cystograms, see modifications below.

Position/Landmark	Head first or feet first-Supine Iliac Crest
Topogram Direction	Craniocaudal
Respiratory Phase	Suspension
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 – 10.7 mGy dlp – 313 mGy.cm
Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon: 1 — body part: **pelvis** — thickness/spacing: 5mm x 5mm — algorithm: standard — recon destination: pacs recon: 2 — body part: thin pelvis — thickness/spacing: 1.2mm x .6mm — algorithm: standard — recon destination: for dmpr
Scan Start / End Locations **DFOV**	1 cm superior to iliac crest lesser trochanters 38cm decrease appropriately
IV Contrast Volume / Type / Rate	100cc omni 350 / 2cc per second if prescribed
Scan Delay	65 seconds
2D/3D Technique Used	DMPR of 5mm x 5mm **coronal pelvis** series (auto-batch on), average mode, auto-transferred to PACS.
Comments: Recon 1 is a thin helical volume of the pelvis that is archived and used in direct multi-planar reformats. When a **ct cystogram** is ordered, instill 50 cc of Omni 240 into 500cc of normal saline and retrograde drip into the bladder via the patient's foley.	
Images required in PACS	Scouts, 5mm x 5mm axial pelvis, 5mm x 5mm coronal pelvis, Dose Report

updated Jan 23, 2017