

**RIH – NC ABDOMEN/PELVIS FOR RENAL STONE
SIEMENS DEFINITION AS20 PROTOCOL**

Indications: Evaluation for renal/ureteral calculi.

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 150 / 0.5 sec .8:1 , 16.00mm 3 / 4
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm
Average Tube Output	ctdi – 8.0mGy dlp – 470 mGy.cm
Helical Set	body thickness/ recon part spacing algorithm recon destination .
Slice Thickness/ Spacing	1 nc renal stone 5mm x 5mm I40f medium pacs
Algorithm	2 coronal nc abd/pelvis 5mm x 5mm I40f medium pacs
Recon Destination	3 thin abd/pelvis 1.5mm x 1mm I40f medium terarecon
Scan Start / End Locations	1 cm superior to diaphragm lesser trochanters
DFOV	38cm decrease appropriately
IV Contrast Volume / Type / Rate	
Scan Delay	
2D/3D Technique Used	Workstream 4D mpr of 5mm x 5mm coronal abdomen/pelvis series, auto-transferred to PACS.
Comments: This protocol uses a lower reference mAs and is specifically used for the detection of gu calculi. Recon 3 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, Patient Protocol