

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

**Indications: Evaluation for renal/ureteral calculi.**

<b>Position/Landmark</b>	Head first or feet first-Supine Sternal Notch
<b>Topogram Direction</b>	Craniocaudal / Craniocaudal
<b>Respiratory Phase</b>	Inspiration
<b>Scan Type</b>	Helical
<b>Ref kV/Ref mAs/Rotation time (sec) Pitch / Speed (mm/rotation) Safire Strength / Dose Optimization</b>	Care kV 120 / Care Dose4D 150 / 0.5 sec .8:1 , 32.00mm 3 / 4
<b>Detector width x Rows = Beam Collimation</b>	0.625mm x 64 = 40mm (128 x .6mm)
<b>Average Tube Output</b>	ctdi – 8.0mGy dlp – 470 mGy.cm
<b>Helical Set</b>	body thickness/ recon part spacing algorithm recon destination .
Slice Thickness/ Spacing	1 <b>nc renal stone</b> 5mm x 5mm I40f medium pacs
Algorithm	2 <b>coronal nc abd/pelvis</b> 5mm x 5mm I40f medium pacs
Recon Destination	3 thin abd/pelvis .75mm x .6mm I40f medium terarecon
<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>	Workstream 4D mpr of 5mm x 5mm <b>coronal abdomen/pelvis</b> series, auto-transferred to PACS.
<b>Comments:</b> 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.	
<b>Images required in PACS</b>	Topograms, 5mm x 5mm axial abdomen/pelvis, 5mm x 5mm coronal abdomen/pelvis, Patient Protocol