

**RIH – NC ABDOMEN/PELVIS FOR RENAL STONE
GE LIGHTSPEED 16 / OPTIMA CT580 PROTOCOL**

Indications: Evaluation for renal calculi.

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 15 / 30 / 30%															
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm															
Helical Set	<table border="1"> <thead> <tr> <th>recon</th> <th>body part</th> <th>thickness/ spacing</th> <th>algorithm</th> <th>recon destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>nc renal stone</td> <td>5mm x 5mm</td> <td>standard</td> <td>pacs</td> </tr> <tr> <td>2</td> <td>thin abd/pelvis</td> <td>1.25mm x .6mm</td> <td>standard</td> <td>for dmpr</td> </tr> </tbody> </table>	recon	body part	thickness/ spacing	algorithm	recon destination	1	nc renal stone	5mm x 5mm	standard	pacs	2	thin abd/pelvis	1.25mm x .6mm	standard	for dmpr
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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	DMPR of 5mm x 5mm coronal abdomen/pelvis series (auto-batch on), average mode, auto-transferred to PACS.															
Comments: This protocol is has a higher noise index and is specifically used for detection of gu calculi.																
Images required in PACS	Scouts, 5mm x 5mm axial nc renal stone, 5mm x 5mm coronal abdomen/pelvis, Dose Report															