

## RIH – MULTIPHASE CT FOR HEMATURIA SIEMENS DEFINITION AS20 PROTOCOL

**Indications: Non contrast and dual meduallary and delayed phase study for patients with hematuria.**

<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 / 210 / 0.5 sec .8:1 , 16.00mm non con 3 / 4 contrast 3 / 6																																						
<b>Detector width x Rows = Beam Collimation</b>	1.25mm x 16 = 20mm																																						
<b>Average Tube Output</b>	ctdi – 10.0mGy dlp – 500mGy.cm																																						
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<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>	after the non-contrast series 30mL Iohexol (Omnipaque 300) followed by 120mL saline / 2mL per second then 10 minute delay, followed by 100mL Iohexol (Omnipaque 300) / 3mL per second																																						
<b>Scan Delay</b>	Non-Contrast Contrast ---- 140 seconds																																						
<b>2D/3D Technique Used</b>	Workstream 4D mpr of 5mm x 5mm <b>coronal nc abdomen/pelvis</b> series, 5mm x 5mm <b>coronal iv abd/pelvis</b> 10mm x 3mm <b>oblique mips of each ureter</b> , auto-transferred auto-transferred to PACS.																																						
<b>Comments:</b>	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 nc abd/pelvis, 5mm x 5mm coronal non contrast abd/pelvis, 5mm x 5mm axial contrast kub, 5mm x 5mm coronal contrast abd/pelvis, 10mm x 3mm mip oblique reformat of each ureter, Patient Protocol																																						