## RIH – CT FOR RENAL MASS SIEMENS DEFINITION AS20 PROTOCOL

## Indications: To evaluate and characterize a potential renal mass.

Position/Landmark	Head first or feet first-Supine Sternal Notch					
Topogram Direction	Craniocaudal / Craniocaudal					
<b>Respiratory Phase</b>	Inspiration					
Scan Type	Helical					
Ref kV/Ref mAs/Rotation time (sec)	Care kV 120 / Care Dose4D 210 / 0.5 sec					
Pitch / Speed (mm/rotation) Safire Strength / Dose Optimization	.8:1 , 16.00mm 3 / 6					
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm					
Average Tube Output	Each Helical: ctdi – 11.3mGy dlp – 313 mGy.cm					
First Helical Set		body	thickness/		recon	
Slice Thickness/ Spacing Algorithm	recon	part	spacing	algorithm	destination .	
Recon Destination		on con kidneys	3mm x 3mm	I40f medium	pacs	
		ronal nc kidneys thin nc kidneys	3mm x 3mm 1.5mm x 1mm	I40f medium I40f medium	pacs terarecon	
Second Helical Set	5	body	thickness/	1401 mearann	recon	
Slice Thickness/ Spacing	recon	part	spacing	algorithm	destination .	
Algorithm	-	lelayed kidneys	3mm x 3mm	I40f medium	pacs	
Recon Destination		onal delayed kidno		I40f medium	pacs	
		in delayed kidneys	-	I40f medium	terarecon	
Scan Start / End Locations	1 cm superior to diaphragm					
	iliac crest (scan through entire kidneys)					
DFOV		38cm				
	decrease appropriately					
IV Contrast Volume / Type / Rate	100mL Iohexol (Omnipaque 300) 3mL/sec					
			inexer (enimplique	500) Shill, 500		
Scan Delay	Non-Contrast Delayed					
		4 minutes				
2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm <b>coronal imaging of each phase</b> , auto- transferred to PACS.					
<b>Comments:</b> This protocol consists of	of a non co	ontrast series, and t	hen a contrast serie	es. The contrast se	eries is a	
delayed scan at 4 minutes. The non- determine enhancement. The delaye			•• •			
	Topograms, 3mm x 3mm axial nc kidneys, 3mm x 3mm coronal nc kidneys, 3mm x 3mm axial delayed kidneys, 3mm x 3mm coronal delayed kidneys, Patient Protocol					