

**RIH – PANCREATIC MASS CT
SIEMENS DEFINITION AS+ PROTOCOL**

Indications – known or suspected pancreatic mass; to asses liver mets in the presence of pancreatic mass.

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 210 / 0.5 sec .8:1 , 32.00mm 3 / 6																				
Detector width x Rows = Beam Collimation	0.625mm x 64 = 40mm (128 x .6mm)																				
Average Tube Output	1 st /2 nd Helical: ctdi – 11.3mGy Third Helical: ctdi – 11.3mGy dlp – 226 mGy.cm dlp – 313 mGy.cm																				
First Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;"></th> <th style="width: 25%;">body recon part</th> <th style="width: 25%;">thickness/ spacing</th> <th style="width: 25%;">algorithm</th> <th style="width: 20%;">recon destination</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>non con pancreas</td> <td>3mm x 3mm</td> <td>I40f medium</td> <td>pac</td> </tr> <tr> <td>2</td> <td>coronal nc pancreas</td> <td>3mm x 3mm</td> <td>I40f medium</td> <td>pac</td> </tr> <tr> <td>3</td> <td>thin nc pancreas</td> <td>.75mm x .6mm</td> <td>I40f medium</td> <td>terarecon</td> </tr> </tbody> </table>		body recon part	thickness/ spacing	algorithm	recon destination	1	non con pancreas	3mm x 3mm	I40f medium	pac	2	coronal nc pancreas	3mm x 3mm	I40f medium	pac	3	thin nc pancreas	.75mm x .6mm	I40f medium	terarecon
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Scan Start / End Locations DFOV	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">non con / arterial mid diaphragm 2cm inferior to pancreas</td> <td style="width: 50%; text-align: center;">venous 1cm above diaphragm iliac crest</td> </tr> <tr> <td colspan="2" style="text-align: center;">35cm decrease appropriately</td> </tr> </table>	non con / arterial mid diaphragm 2cm inferior to pancreas	venous 1cm above diaphragm iliac crest	35cm decrease appropriately																	
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IV Contrast Volume / Type / Rate	100mL Iohexol (Omnipaque 300) 4mL/sec																				
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2D/3D Technique Used	Workstream 4D mpr of 3mm x 3mm coronal imaging of each phase , auto-transferred to PACS.																				
Comments: The patient should have one bottle of volumen and a cup of water 15-20 minutes prior to the scan. All fields of view are tight to the skin. The venous phase is of the entire abdomen.																					
Images required in PACS	Topograms, 3mm x 3mm axial nc pancreas, 3mm x 3mm coronal nc pancreas, 3mm x 3mm axial arterial pancreas, 3mm x 3mm coronal arterial pancreas, 3mm x 3mm axial venous abdomen, 3mm x 3mm coronal venous abdomen, Patient Protocol																				