RIH – PANCREATIC MASS CT
SIEMENS DEFINITION AS20 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 , 16.00mm 3 / 6
Detector width x Rows = Beam Collimation	1.25mm x 16 = 20mm
Average Tube Output	1st/2nd Helical: ctdi – 11.3mGy dlp – 226 mGy.cm Third Helical: ctdi – 11.3mGy dlp – 313 mGy.cm
First Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / recon destination . 1 **non con pancreas** 3mm x 3mm I40f medium pacs 2 **coronal nc pancreas** 3mm x 3mm I40f medium pacs 3 thin nc pancreas 1.5mm x 1mm I40f medium terarecon
Second Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / recon destination . 1 **arterial pancreas** 3mm x 3mm I40f medium pacs 2 **coronal arterial panc** 3mm x 3mm I40f medium pacs 3 thin arterial pancreas 1.5mm x 1mm I40f medium terarecon
Third Helical Set Slice Thickness/ Spacing Algorithm Recon Destination	recon / body part / thickness/ spacing / algorithm / recon destination . 1 **venous abdomen** 3mm x 3mm I40f medium pacs 2 **coronal venous abd** 3mm x 3mm I40f medium pacs 3 thin venous abdomen 1.5mm x 1mm I40f medium terarecon
Scan Start / End Locations **DFOV**	non con / arterial: mid diaphragm – 2cm inferior to pancreas venous: 1cm above diaphragm – iliac crest 35cm decrease appropriately
IV Contrast Volume / Type / Rate	100mL Iohexol (Omnipaque 300) 4mL/sec
Scan Delay	Non-Contrast Arterial 35 seconds Venous 70 seconds
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

updated Jan 23, 2017