## RIH – PITUITARY GLAND GE LIGHTSPEED 16 PROTOCOL

Indications: Patient with contraindication to MR. Suspected or known pituitary mass.

Position/Landmark		Supine head first or feet first				
Topogram Direction	Zero at outer canthus of eye.  Craniocaudal					
Topogram Direction	Cramocaudai					
Respiratory Phase	Any					
Scan Type	Helical					
KV / mA / Rotation time (sec) Pitch / Speed (mm/rotation) Noise Index / ASiR / Dose Reduction	120kv / smart mA (50-350) / 0.8 sec .562:1, 5.62mm 6.5 / 30 / 30%					
Detector width x Rows = Beam Collimation		0.625mm x 16 =	= 10mm	0.625mm x 16 =	10mm	
Average Tube Output	Each Helical: ctdi – 46.1 mGy dlp – 742 mGy.cm					
First Helical Set  Slice Thickness/ Spacing Algorithm Recon Destination	recon 1 2	body part thin brain <b>skull</b>	thickness/ spacing .6mm x .6mm 5mm x 5mm	algorithm standard bone	recon destination . dmpr pacs	
Second Helical Set	+	body	thickness/		recon	
Slice Thickness/ Spacing Algorithm Recon Destination	recon 1 co	part	spacing set .6mm x .6mm	algorithm standard	destination . for dmpr	
Scan Start / End Locations	1cm inferior to skull skull vertex 25cm					
DFOV	daaraasa annranriistalee					
IV Contrast Volume / Type / Rate	decrease appropriately 80cc omni 350 / 2cc per second					
Scan Delay	70 seconds					
2D/3D Technique Used	non con: dmpr 5mm x 5mm axial brain reformats in the glabello-meatal plane (auto-batch off), average mode, auto transferred to PACS  There are four dmpr reformats from the contrast helical data set: 5mm x 5mm contrast axial brain (auto-batch off), 1mm x 1mm axial pituitary (auto-batch off), 1mm x 1mm coronal pituitary (auto-batch off), 1mm x 1mm sagittal pituitary (auto-batch off)					
<b>Comments:</b> A non-contrast brain is contrast helical set will set up direct				nead is performed	. Recon 1 of the	
Images required in PACS	Scouts, 5mm x 5mm axial nc brain, 5mm x 5mm contrast axial brain, 1mm x 1mm axial pituitary, 1mm x 1mm coronal pituitary, 1mm x 1mm sagittal pituitary, Dose Report					