RIH – CT CISTERNOGRAM GE LIGHTSPEED VCT PROTOCOL

Application: Evaluation for possible CSF leak

Position/Landmark	Prone, head first				
Town and Discording	Zero at outer canthus of eye.				
Topogram Direction	CraniocaudaL				
Respiratory Phase	Any				
Scan Type	Helical				
Jean Type	Tichcai				
KV / mA / Rotation time (sec)	120kv / smart mA (100-330) / 1.0 sec				
Pitch / Speed (mm/rotation)	0.969:1, 19.37mm				
Noise Index	7.00				
Detector width x Rows = Beam Collimation	$0.625 \text{mm} \times 32 = 20 \text{mm}$				
Average Tube Output	ctdi – 11.1 mGy				
		dlp – 252 mGy.cm			
Helical Set	body	thickness/	1 1.1	recon	
Slice Thickness/ Spacing Algorithm	recon part	spacing	algorithm	<u>destination</u> .	
Recon Destination	1 sharp cisternogram2 standard cisternogram	.6mm x .6mm .6mm x .6mm	bone+ standard	dmpr dmpr	
	2 standard cisternogram	.011111 X .0111111	Standard	umpi	
Scan Start / End Locations	anterior to nasal bones				
	posterior to mastoid air cells				
DEON	20cm				
DFOV	decrease appropriately				
IV Contrast Volume / Type / Rate	intra thecal contrast injected in vir				
Scan Delay					
2D/3D Technique Used	DMPR .6mm x .6mm bone	6mm x .6mm bone+ axial, sagittal and coronal reformats (auto-batch			
	s.				
	.6mm x .6mm standard axial, sagittal and coronal reformats average mode, created in image works and sent to pacs.				
Comments: The patient's head is so	canned in a prone, chin on pl	atform, nose first th	nrough gantry, po	osition. There are	
six sets of thin data sent to pacs in	=				
This study should be Radiologist c	hecked to ensure proper scan	coverage. All of t	he sinuses and bi	lateral mastoid	
air cells should be visualized. A po		_			
floor. Cerebral spinal fluid may lea	ak into any of the sinuses or r	ight/left mastoid ai	r cells from the f	racture.	
Recon 1 is a bone+ algorithm that	will feed image data into dm	or for .6mm x .6mn	n bone+ axial, sa	gittal and coronal	
reformats (auto-batch off), average			,,		
Recon 2 is a standard algorithm for	1	for .6mm x .6mm	axial, sagittal and	d coronal,	
average mode, need to be created a	<u> </u>			-	
Images required in PACS	uired in PACS Scouts, .6mm x .6mm axial, coronal, sagittal bone+ cisternogram, .6mm x				
	.6mm axial, coronal, sagittal standard cisternogram, Dose Report				