

GE VCT 64 SLICE PROTOCOLS

Protocol Name: CRANIAL CT ANGIOGRAM ADULT			
INDICATIONS:	Evaluation of arteries in the brain- Aneurysms and circle of willis	LABEL:	SCOUT*, BRAIN*, BONE* The * means anything after these beginnings will hang correct in pacs
IV CONTRAST:	Noncontrast routine brain first, then 100cc 370 strength nonionic contrast, 4-5cc/sec 18 sec delay, 18ga IV in large vein	RECON 1:	0.625mm thick / 0.625 interval 40mm detector coverage with axial, coronal and sagittal 5 mm mip DMPRs
ORAL CONTRAST:	None	RECON 2:	1.25mm thick / 1.25mm interval 400ww/40wl
PATIENT POSITIONING AND SCAN AREA:	Patient supine. Head in holder. Landmark at base of skull. Cuts are taken from the base to the top of skull.	ADDITIONAL POST PROCESSING:	3D circle of willis.
GENERAL EXAM GUIDELINES:	Routine noncontrast axial brain first. Then helical cuts are taken with fast injection. 0.625 images are taken with sag, cor, axial MIP recons. 3D circle of willis is done at the GE workstation.	SEND EXAM:	Send scout, noncontrast brain and bone windows, and 1.25 axials, cor, sag, axial slab mips to pacs. Send thin data to awwkstn1 for 3D reconstructions
TRIGGER OR CONTRAST DELAY:	18 second delay set	ARCHIVE:	
TECHNIQUE GUIDELINES:	120 kvp. See cranial protocol for noncontrast technique. Smart MA on CTA head.	BILL AS:	CT angiogram cranial only. The noncontrast brain is included in this charge.

SCOUT PROTOCOL SET IN SCANNER

Scan Type	Start Loc	End Loc	kV	mA	Scout Plane	Voice Lights Timer
Scout	S250.00	I100.00	120	10	90 180	N
	Base of Skull	Top of skull				

AXIAL IMAGE PROTOCOL SET IN SCANNER

Scan Type	Start Loc	End Loc	Thick Speed	Interval (mm)	Gantry Tilt	SFOV	kv	ma	DFOV	Show Recon1	Show Rocon2	Show Rocon3	Direct Vis
Helical Full 0.8 sec rotation	S10.00 Base of skull	S143.75 Top of skull	0.625 39.37 0.984:1	0.625	S0.0	Head	120	650 7.00~ Smart mA On	25.0	0.625mm Std 400ww 40wl For recons if needed only	1.25m Std 400ww 40wl Send to Pacs	none	On

Updated 1/30/2018