

GE VCT 64 SLICE PROTOCOLS

Protocol Name: CARDIAC (CORONARY) CTA ADULT (select segment 30-74 small or large)	
INDICATIONS:	Usually evaluation of coronary arteries. Heart function and structure can also be evaluated if ordered.
IV CONTRAST:	150 cc nonionic contrast (370 mg/ml) and saline-dual injection. 5cc/sec, 18 ga in AC preferred. 20ga or better IV in a large vein at least.
ORAL CONTRAST:	None
PATIENT POSITIONING AND SCAN AREA:	Patient supine. Feet first. Landmark above chest. Cuts are taken from carina to below heart. 250 DFOV.
GENERAL EXAM GUIDELINES:	See cheat sheet.
TRIGGER OR CONTRAST DELAY:	Timing bolus
TECHNIQUE GUIDELINES:	120 kvp. Auto ma on.
LABEL:	SCOUT*, CORONARY*. The * means anything after these beginnings will hang correct in pacs
RECON 1:	.625mm thick/.625 mm interval. Std recon.
RECON 2:	Retro recon additional series
ADDITIONAL POST PROCESSING:	Send 2.5 mm cuts, 0.625mm to awwkstn1 for radiologist processing
SEND EXAM:	Send scout, 2.5mm axials to pacs.
ARCHIVE:	
BILL AS:	Usually cardiac coronary artery CT.

SCOUT PROTOCOL SET IN SCANNER

Scan Type	Start Loc	End Loc	kV	mA	Scout Plane	Voice Lights Timer
Scout	S60.00	I300.00	120	20	90 and 0	7T
	Above chest	Mid abdomen				

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 Recon2	Show Recon3	Direct Vis
Helical Full 0.35 sec rotation	I50.0 carina	I150.0 Below heart	0.625 6.40 0.16:1	0.625	S0.0	Cardiac Large	120	ECG 325 70-80 Or ECG 800 70-80	25.0	0.625mm Std- Full FOV SnapShot Segment 800ww 100wl SS50 For recons	2.5mm Std Full FOV 400w 401 SS40	1.25m Std Sm FOV 400w 401	