

GE VCT 64 SLICE PROTOCOLS

Protocol Name: CHEST CT LUNG CANCER SCREENING (LOW DOSE)	
INDICATIONS:	Evaluation of patient 55-74 Yrs at high risk for lung cancer and long history of smoking.
IV CONTRAST:	None
ORAL CONTRAST:	None
PATIENT POSITIONING AND SCAN AREA:	Patient supine. Feet first. Landmark above chest. Cuts are taken from apices through the lungs. Same DFOV as previous chest CTs.
GENERAL EXAM GUIDELINES:	2.5 x 2.5 axial images. 400 DFOV.
TRIGGER OR CONTRAST DELAY:	None
TECHNIQUE GUIDELINES:	Sm(BMI<or=30): 100 kV, 25 mas Lg (BMI>30):120kV, 35 mas
LABEL:	SCOUT, CHEST, SAG, COR.
RECON 1:	1.25mm thick/1.00 mm interval. Std recon at 400ww/30wl. With cor and sag 2.5mm avg DMPRs.
RECON 2:	2.5mm thick /2.5 mm interval. Std recon 400ww/30wl.
ADDITIONAL POST PROCESSING:	None
SEND EXAM:	Send scout, 2.5mm axial soft tissue and lung, sag, and cor images to pacs
BILL AS:	Low Dose Lung Cancer Screening CT

SCOUT PROTOCOL SET IN SCANNER

Scan Type	Start Loc	End Loc	kV	mA	Scout Plane	Voice Lights Timer
Scout	S0.00 Above chest	I400.00 Mid abdomen	100	10	0	2T

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 0.5 sec Rot (sm) 0.7 sec Rot (lg)	S0.0 Above Chest	I300.0 Through Lungs	1.25 39.37 0.984:1	1.00	S0.0	Large Body	100 sm 120 lg	50	40.0	1.25mm Std 400ww 30wl For recon3	2.5mm Std 400ww 30wl Send to Pacs	2.5mm Lung 1500w W 600wl Lung Filter Pacs	On 2.5m m Cor and Sag avg

Updated 02/01/2018