

CT Technologist Instruction Form

GE Light Speed VCT & STE

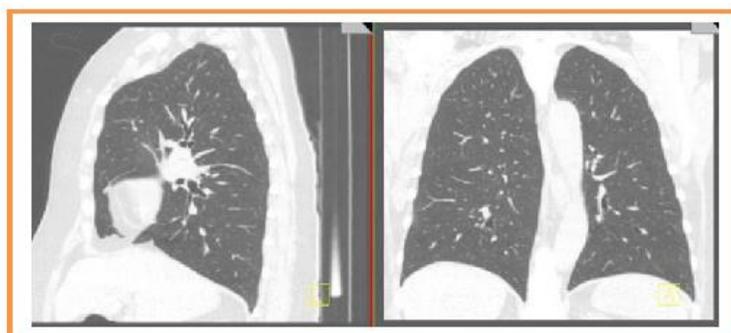
InterVapor® treatment is based on a quantitative analysis of a CT scan to establish a treatment plan referred to as the InterVapor Personalized Procedure Program™ or IP3™. The following CT settings MUST be used to ensure an accurate tissue analysis. The analysis is used to establish the InterVapor dosage. If the settings are not correct, a rescan or reconstruction will be requested before completion of the CT analysis.

The CT scan must be performed during a breath hold at full inspiration (TLC). It is important that the patient fully understands the breath hold and scanning procedure prior to performing the CT scan.

GE Light Speed VCT & STE		
Parameter	Setting	Check (✓)
Lung Volume	INSPIRATION TLC	
Scan Type	Helical/Standard Mode	
Scan FOV	Large	
Slice Orientation	Axial	
Rotation Time (s)	0.5	
Det. Configuration	64 x 0.625 mm	
kV	120	
Scan Mode	Plus	
Pitch	0.984:1	
Dose Modulation	OFF	
Kernel (for QCT Analysis)	Standard	
Iterative Reconstruction (noise Reduction)	Do not use ASiR or Veo.	
Thickness (mm)	0.625	
Interval (mm)	0.5	
Scan Time (Sec) for 30cm length	<10	
Contrast enhanced CTs cannot be evaluated. Contrast NOT used.		

mAs Selection		
BMI Range	Size	Effective setting to be used
<20	Small	155
20-30	Medium	190
>30	Large	285

Scan Coverage Figure 1. CT scan must include the lungs, but only the lungs. Start the scan precisely at the apex of the lungs, and stop it once the scan is through the base of the lungs.



Scan Coverage Figure 2. DFOV should tightly fit the TLC lung for the QCT reconstruction.

Patient Positioning

- Place patient in a supine position, with arms above the head in a head-arm rest and lower legs supported.
- Using the laser positioning lights, line up the patient so the chest is iso-center of the CT gantry.

If the recommended settings cannot be used, or if you have any questions or concerns, please contact us prior to acquiring the patient CT scan at +1 949.440.1800 or email intervapor@uptakemedical.com.