

CT Technologist Instruction Form

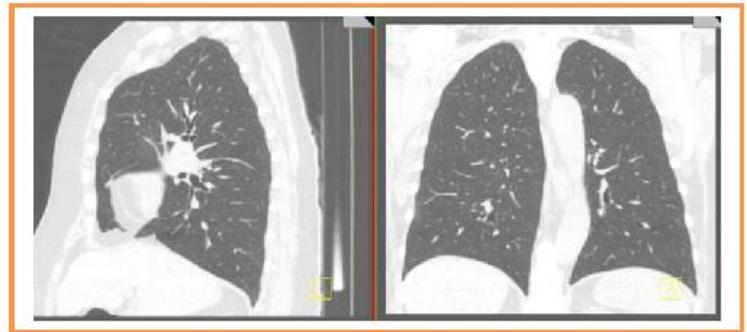
TOSHIBA Aquilion 64

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.

TOSHIBA Aquilion 64		
Parameter	Setting	Check (√)
Lung Volume	INSPIRATION TLC	
Scan Type	Helical	
Software Version	≥ 4.83	
Scan FOV	For software version <6.0 use 400mm or 500mm; For software version ≥ 6.0 always use 500mm.	
Rotation Time (s)	0.5	
Det. Configuration	64 x 0.5mm	
kV	120	
Pitch	0.828	
Dose Modulation	OFF	
Recon Algorithm 1 (For QCT analysis)	FC01, FC17	
Iterative Recon (noise reduction)	Do not use	
Thickness (mm)	1.0	
Interval (mm)	0.5	
Est. Scan Time (Sec) 30cm length	<10	
Contrast enhanced CTs cannot be evaluated. Contrast NOT used.		

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.

mAs Selection		
BMI Range	Size	Effective setting to be used
<20	Small	90
20-30	Medium	110
>30	Large	160

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.