

## LAO CT PROTOCOL

ONE  
Aquilion



Temporal resolution	137 ms
Gantry rotation time	0.275 s
Pitch	0
Scanogram	Anterior-posterior scanogram: 120 kV/50 mA Lateral scanogram: 120 kV/100 mA Autovoice (breath-hold command)
First cardiac CT data acquisition	
Acquisition technique	Single-beat volume scan
Gating	Prospective electrocardiographically gated
Cardiac phase	30%-60% or dedicated phase only
Scan range	Carina to apex of the heart (12-16 cm)
Tube voltage	<sup>SURE</sup> kV, the lowest tube voltage will be selected on the basis of patient size and <sup>SURE</sup> Exposure settings for low-tube voltage imaging
<sup>SURE</sup> kV	On
Tube current ( <sup>SURE</sup> Exposure 3D)	<sup>SURE</sup> Exposure (tube current modulation)
Slice/collimation	240-320 × 0.5 mm (depending on coverage)
<sup>SURE</sup> Exposure	On
ECG gating	On
Scan direction	0
Contrast	40-100 ml (350 mg I/ml) adjusted to weight and renal function
Flow rate	5-7 ml/s
Delayed imaging acquisition	
Data reconstruction	
Slice thickness	0.5 mm
Increment	0.25 mm
Kernel	FC43
Iterative reconstruction	AIDR 3-D