

RIH – GATED CALCIUM SCORING GE LIGHTSPEED VCT PROTOCOL

Position/Landmark	Feet first-Supine Sternal Notch															
Topogram Direction	Craniocaudal															
Respiratory Phase	Inspiration															
Scan Type	Smart Score Cine															
KV / mA / Rotation time (sec) Pitch / Speed (mm/rotation) Noise Index / ASiR / Dose Reduction	Smart Score 120kv / 430mA / 0.35sec 8i															
Detector width x Rows = Beam Collimation	Smart Score 0.625mm x 32 = 20mm															
Average Tube Output	Scoring: ctdi – 9.1 mGy dlp – 145 mGy.cm															
Cine Set Slice Thickness/ Spacing Algorithm Recon Destination	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>recon</u></th> <th style="text-align: left;"><u>body part</u></th> <th style="text-align: left;"><u>thickness/ spacing</u></th> <th style="text-align: left;"><u>algorithm</u></th> <th style="text-align: left;"><u>recon destination</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>gated calcium score</td> <td>2.5mm x 2.5mm</td> <td>standard</td> <td>workstation/pacs</td> </tr> <tr> <td>2</td> <td>lungs</td> <td>5mm x 5mm</td> <td>lung</td> <td>pacs</td> </tr> </tbody> </table>	<u>recon</u>	<u>body part</u>	<u>thickness/ spacing</u>	<u>algorithm</u>	<u>recon destination</u>	1	gated calcium score	2.5mm x 2.5mm	standard	workstation/pacs	2	lungs	5mm x 5mm	lung	pacs
<u>recon</u>	<u>body part</u>	<u>thickness/ spacing</u>	<u>algorithm</u>	<u>recon destination</u>												
1	gated calcium score	2.5mm x 2.5mm	standard	workstation/pacs												
2	lungs	5mm x 5mm	lung	pacs												
Scan Start / End Locations DFOV	Smart Score just inferior to aortic arch 2cm inferior to heart 22cm															
IV Contrast Volume / Type / Rate																
Scan Delay																
2D/3D Technique Used	Calcium Smart Score using the workstation															
<p>Comments: The scan is a gated cine to obtain the smart score data.</p> <ul style="list-style-type: none"> The cardiac monitor leads should be below the clavicles and just below the curvature of the left ribs. 																
Images required in PACS	Scouts, 2.5mm x 2.5mm axial gated smart score, calcium score data report, 5mm x 5mm axial full chest fov lung window, Dose Report															