

# Calcium Score 64 Siemens

Indications	High blood cholesterol levels, family history of heart disease, diabetes, high blood pressure, cigarette smoker					
Diagnostic Task	Risk of heart attack					
Scan mode	Prospective 300s					
Position/Landmark	first-Supine-inspiration					
Topogram	AP 120kV 35mA Lat 120kV 35mA					
kVp/Reference mass	120kv 120mA					
Rotation time	0.24s quick scan					
axial thickness/images per rot	3mm					
Detector Configuration	30x0.6					
Detector coverage	18mm					
Dose reduction	care dose					
Allowed CTDI ranges*	7mGy-50mGy					
XR29 Dose Notification value	50mGy					
Helical Set		body	thickness		recon	
		recon	part	spacing	algorithm	destination
	1	heart		3mmx 20mm	b35h/ heart view	pacs/TR
	2	full chest		1mmx 20mm	b20f/mediastinum	pacs/MPR
	3	lung		1.mmx20mm	lung	pacs
	4	sag chest		2mmx2mm	standard	pacs
	5	coronal chest		2mmx2mm	standard	pacs
6	axial mip lung		10mmx2mm	lung	pacs	
Scan Start/end location	just inferior to aortic arch(mid PA)					
	2cm inferior to the heart					
DFOV	22cm					
IV contrast volume/type	na					
Comments	Place cardiac monitor leads x3 RT and LT upper chest below the clavicles and one on left side below the angle of ribs					

\*Document ethnicity in tech note to radiologist

Approximate Values for CTDIvol			
Patient size	weight(kg)	weight(lbs)	CTDIvol(mGy)
SMALL	50-70	110-155	4-10
AVERAGE	70-90	155-200	8-16
LARGE	90-120	200-265	14-22

NOTE\* \*The AAPM recommended NEMA XR29 Dose Notification Value for an adult torso is 50mGy. Dose Notification levels less than the AAPM recommended can be set. The maximum CTDI vol should match the dose notification value. Exams with CTDI vol values less than the minimum allowed range should not be performed unless approved by a radiologist.

