

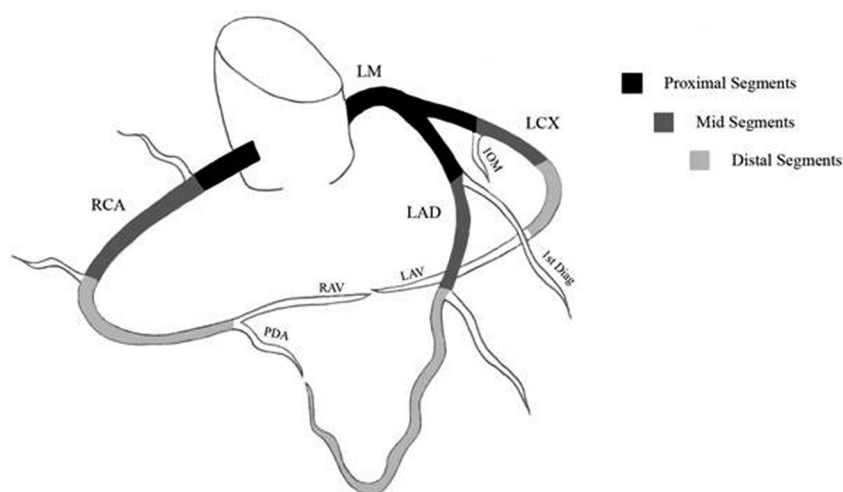
On-line Table 1: The mean CNR in all measured coronary artery segments

Vessel	Mean CNR
Proximal RCA	12.5 ± 4.0
Distal RCA	11.8 ± 3.6
LM	12.1 ± 4.1
Proximal LAD	12.1 ± 4.1
Distal LAD	11.3 ± 3.9
Proximal LCX	11.8 ± 3.8
Distal Left LCX	11.2 ± 3.5
CCA	10.6 ± 3.6
ICA	11.1 ± 3.7
Ascending aorta	12.3 ± 3.9
Descending aorta	11.9 ± 3.6
Superior vena cava	8.4 ± 4.3
Injection-side internal jugular vein	4.2 ± 2.7
Contralateral internal jugular vein	4.3 ± 2.5
Contralateral subclavian vein	3.5 ± 1.5

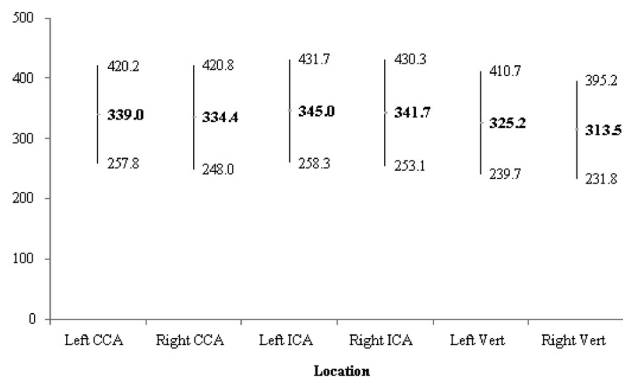
On-line Table 2: Optimal cardiac reconstruction phases^a

Cardiac Phase (% of R-R Interval)	RCA		LAD		LCX	
	No. of Assessable Vessels (n = 79)	% of Total Vessels Assessed	No. of Assessable Vessels (n = 79)	% of Total Vessels Assessed	No. of Assessable Vessels (n = 79)	% of Total Vessels Assessed
35	4	5.1	2	2.5	1	1.3
40	3	3.8	3	3.8	2	2.5
45	17	21.5	12	15.2	12	15.2
50	6	7.6	6	7.6	6	7.6
55	4	5.1	3	3.8	3	3.8
60	3	3.8	1	1.3	2	2.5
65	4	5.1	1	1.3	1	1.3
70	9	11.4	8	10.1	7	8.9
75	24	30.4	32	40.5	34	43.0
80	4	5.1	6	7.6	7	8.9
85	0	0.0	2	2.5	1	1.3
90	0	0.0	1	1.3	1	1.3
95	1	1.3	2	2.5	2	2.5

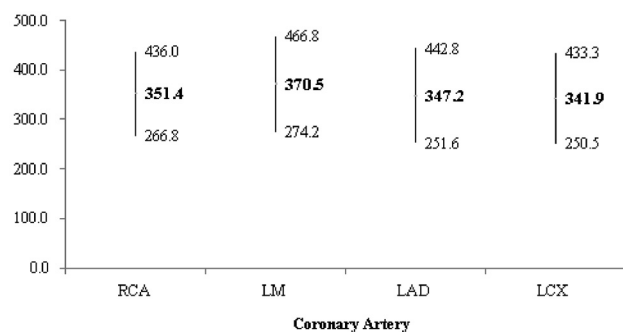
^aThe cardiac phase that provided the highest quality images for each artery was recorded. The phase most often used for all 3 arteries was at 75% of the R-R interval. The phase next most often used was at 45% of the R-R interval.



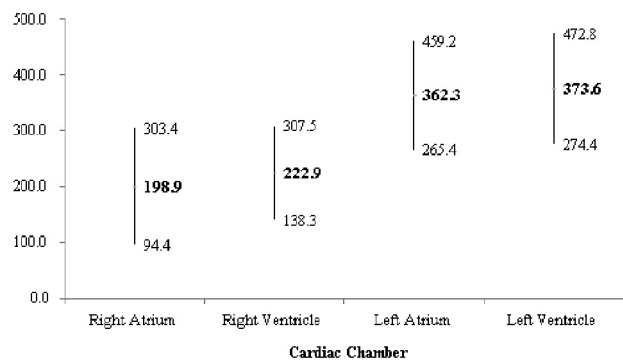
On-line Fig 1. Diagram of the coronary artery tree. The following 10 coronary artery segments were assessed for image quality: the proximal RCA, mid-RCA, distal RCA, the LM, proximal LAD, mid-LAD, distal LAD, proximal LCX, mid-LCX, and distal LCX. In these segments, the CNRs were also calculated, along with the following arteries: the 1st Diag, first IOM, RAV or LAV, and PDA.



On-line Fig 2. Mean attenuation of the major neck arteries. The intraluminal mean attenuation level is shown in bold (center value), with 1 SD above and below.



On-line Fig 3. Mean attenuation in the major coronary arteries. The intraluminal mean attenuation level is shown in bold (center value), with 1 SD above and below.



On-line Fig 4. Mean attenuation level in the 4 cardiac chambers. The mean attenuation level for each cardiac chamber is shown in bold (center value), with 1 SD above and below.