

# Your Medical Clinic

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## Cardiac MSCT Report

**Patient Name** : Johnson, Jane M  
**MRN** : 000002  
**Date of Birth** : 06/07/1941  
**Sex** : Female  
**Referral** : David S Smith, M.D.  
**Date of Service** : 06/17/2008

### Indication of Procedure:

### Coronary CT Angiogram by GE LightSpeed VCT 64-slice scanner with 3-D re-construction by an independent work-station

Procedure: After the informed consent was obtained, patient was given Metoprolol to achieve a desirable heart rate for scanning. By utilizing a GE LightSpeed VCT 64-slice scanner, a scout film followed by a test saline bolus (Iovue 370, 15ml) injection was then performed. This is followed by a high resolution study performed in a transaxial axis using 0.625 mm slices with a injection of 80 ml of Iovue 370. Patient tolerated the procedure well. There were no complications. 3-D re-construction was then performed in an independent work-station.

### Settings:

Contrast Type	Iovue 370	mA	596
Contrast Volume	80 ml	kV	120
Contrast Rate	5 ml/s	Slice Thickness	0.625 mm
Metoprolol	25 mg	Rotation Time	0.35 sec.
HR	0 bmp		

### Findings

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Seg	Vessel	Stenosis	Confidence	Quality	Stent	Plaque	Comment
01	RCA	50-70%	high	good	y	Calcific	
02	RCA	50-70%	high	good	n	None	
03	RCA	100%	high	good	n	None	

04	PDA	Greater than 70%	high	good	n	None	
05	LM	50-70%	fair	good	n	None	
06	LAD	100%	high	good	n	Thrombotic/ACS	
07	LAD	100%	fair	good	n	None	
08	LAD	50-70%	high	good	n	None	
09	D1	100%	high	good	n	None	
10	D2	Too small	high	good	n	None	
11	CX	50-70%	fair	good	n	Mixed	
12	OM	Too calcified	high	good	n	None	
13	CX	Greater than 70%	high	good	n	None	
14	OM	Greater than 70%	fair	good	n	None	
15	PL	100%	high	good	n	None	

**Findings:**

your findings go here

**Impression:**

your impression goes here

**Calcium Score**

**Findings:**

Location	Volume	Agaston
Left Main Coronary (LMA)	50	0
Left Anterior Descending Coronary Artery (LAD)	40	0
Left Circumflex (LCX)	100	0
Right Coronary Artery (RCA)	90	0
Posterior Descending Artery (PDA)	95	0
Total	375	0

For the prognostic significance of the coronary calcium score, please see the following guideline:

Calcium Score for Women									
	Age (Years)								
Perc	<40	40-44	45-49	50-54	55-59	60-64	65-69	70-74	>74
25th	0	0	0	0	0	0	1	3	9
50th	0	0	0	0	1	3	24	52	75
75th	1	1	2	5	23	57	145	210	241
90th	3	4	22	55	121	193	410	631	709
n.	641	1024	1634	2184	1835	1334	731	438	174

Reproduced from Hoff JA et al JACC 2003;41:1008-12

General Guidelines for Interpretation of Calcium Score			
Calcium Score*	Atherosclerotic plaque burden	Probability of significant CAD	Implication for CV risk
0	No detectable plaque	Very low (<5%)	Very low
1-10	Minimal detectable plaque burden	Very unlikely (<10%)	Low
11-100	Mild atherosclerotic plaque burden	Mild or minimal	Moderate

101-400	Moderate atherosclerotic plaque burden	High likelihood of non-obstructive CAD. Possibility of obstructive disease	Moderate high
>400	Extensive atherosclerotic plaque burden	High likelihood of one or more significant obstructive lesion (> 90%)	High

Modified from Rumberger JA et.al. Mayo Clinic Proc. 1999;74:243-252

\*Values in the table should be age/gender adjusted.

**Overall Impression:**

overall impression goes here

**Addendum:**

addendum goes here

**Comment:**

comment goes here

Thank you for referring this patient to us.



**Structures and Functions:**