

### **Calcium score**

The calcium score is 17 . This score is consistent with mild coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the 59th percentile rank for age and gender.

### **Dominance**

The circulation is right dominant .

### **Left main coronary artery**

The LMCA arises from the left coronary sinus of Valsalva in the usual position. It is a large calibre vessel. It divides into the left anterior descending and the left circumflex arteries. There is no evidence of atherosclerotic disease.

### **Left anterior descending artery**

The LAD is a medium calibre vessel and gives rise to 1 major diagonal branch .

There is focal calcified plaque in the proximal and mid LAD causing < 25% stenosis.

### **Circumflex artery**

The left circumflex artery is a medium calibre vessel and gives rise to 1 major obtuse marginal branch . There is minor vessel calcification.

### **Right coronary artery**

The RCA arises from the right sinus of Valsalva in the usual position. It is a large calibre dominant vessel. It gives rise to a posterior descending artery and posterolateral branch . There is no evidence of atherosclerotic disease.

### **ADDITIONAL CARDIAC FINDINGS**

The myocardium and pericardium appear normal.

The mitral annulus is mildly calcified.

### **OTHER FINDINGS**

There is a 4mm nodule in the right middle lobe. Because it is slightly irregular it should be followed up with a low dose CT scan in 12 months time.

### **CONCLUSION:**

**Focal non obstructive coronary artery atherosclerosis involving the LAD and circumflex system . There are no additional cardiac findings of relevance in the scanned segments.**

**. Small lung nodule-see above discussion.**

Thank you for referring this patient.

**Primary Read of Cardiac Findings by: Dr Invisible Man**

**Co-read of Cardiac and Non-Cardiac Findings by: Dr Wonder Woman**

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General  
Report  
#1041115:  
Authorised by  
Dr Wonder  
Woman () at  
31/01/2019  
11:02

Date Serviced:  
25/01/2019  
10:15

Requests:  
19/LI/0003702  
(Series 1;  
Requested by:  
Dr; Work Site:  
LI)

Services:  
CT Coronary  
Angiogram  
(NR)  
(25/01/2019  
10:15 -  
25/01/2019  
10:30)

## **EXAM: CT CORONARY ANGIOGRAM AND CALCIUM SCORE**

### **TECHNICAL PARAMETERS:**

Single phase CT coronary angiography was performed using prospective ECG gating at 120 kVp. The DLP for the entire study is 225 mGycm<sup>-1</sup>. Medication administered in the department: 100 mg oral metoprolol. 800 mcg nitrates. Intravenous iodine contrast volume: 82 mL. Data acquisition was at an average heart rate of 56 bpm. Image quality is good .

### **FINDINGS:**

#### **CORONARY ARTERIES**

##### **Calcium score**

The calcium score is 106 . Distribution of calcium:- LAD LCX RCA ramus. This score is consistent with moderate coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the 94th percentile rank for age , race and gender according to MESA cohort.