

The calcium score is 4 . Distribution of calcium:- LAD This score is consistent with minimal coronary artery atherosclerotic plaque burden but even so, on a population basis, this score places the patient in the 60th percentile rank for age, race and gender according to the MESA cohort.

### **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 divides into left anterior descending, intermediate and circumflex vessels. It appears normal.

### **Left anterior descending artery**

The LAD is a large calibre artery and gives rise to a few small diagonal branches but no major diagonals. There is focal calcified plaque in the proximal segment causing virtually no luminal narrowing. The remainder of the vessel and the diagonal and intermediate arteries appear normal.

### **Circumflex artery**

No significant atherosclerotic changes are seen in the main circumflex artery or its obtuse marginal branches.

### **Right coronary artery**

The RCA is a large calibre vessel which arises from the right coronary sinus of Valsalva in the usual position and gives rise to posterior descending and posterolateral branches. There are no significant atherosclerotic changes.

### **ADDITIONAL CARDIAC FINDINGS**

Minor atherosclerotic changes are seen in the descending aorta. The cardiac chambers, myocardium, pericardium and scanned segments of the thoracic aorta otherwise appear normal.

### **OTHER FINDINGS**

The lungs appear clear.

### **CONCLUSION:**

**Focal non-obstructive calcified plaque is seen in the proximal LAD . The epicardial coronary arteries otherwise appear normal by CCTA. Overall plaque burden is low despite the MESA percentile rank.**

**There are no additional cardiac findings of relevance within the scanned segments.**

Thank you for referring this patient.

**Primary Read of Cardiac Findings by: Dr Bruce Banner**

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

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General  
Report  
#1034454:  
Authorised by  
Dr Wonder  
Woman () at  
15/01/2019  
15:50

Date Serviced:  
14/01/2019  
09:37

Requests:  
19/BJ/0000363  
(Series 0;  
Requested by:  
Dr; Work Site:  
BJ)

Services:  
CT Coronary  
Angiogram  
(NR)  
(14/01/2019  
10:00 -  
14/01/2019  
10:20)

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

### **CLINICAL DETAILS:**

Previous history of ischaemic heart disease. Query LAD stent in 2003. Recurrent episodes of chest pain.

### **TECHNICAL PARAMETERS:**

Single phase CT coronary angiography was performed using prospective ECG gating at 120 kVp. The DLP for the entire study is 180 mGycm<sup>-1</sup>. Medication administered in the department: 800 mcg nitrates. Intravenous iodine contrast volume: 45 mL. Data acquisition was at an average heart rate of 49 bpm. Image quality is good .

### **FINDINGS:**

#### **CORONARY ARTERIES**

##### **Calcium score**