

### **Calcium score**

The calcium score is 5 . Distribution of calcium:- LAD OM This score is consistent with mild coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the 42nd percentile rank for age , race and gender according to 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 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 several diagonal branches .

There is multifocal mixed plaque in the proximal and mid LAD causing maximal stenosis of up to 50%.

### **Circumflex artery**

The left circumflex artery is a medium calibre vessel and gives rise to 2 major obtuse marginal branches .

There is focal calcified plaque in the proximal OM1 causing < 25% stenosis.

### **Right coronary artery**

The RCA arises from the right sinus of Valsalva in the usual position. It is a large calibre dominant vessel. The distal vessel gives rise to a posterior descending artery and 2 posterolateral branches . There is no evidence of atherosclerotic disease.

### **ADDITIONAL CARDIAC FINDINGS**

The myocardium and pericardium appear normal.

Atherosclerotic changes are present in the thoracic aorta. The left atrium appears dilated.

### **OTHER FINDINGS**

The lungs appear clear.

There is a subcentimetre prevascular lymph node.

### **CONCLUSION:**

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

Thank you for referring this patient.

**Primary Read of Cardiac and Non Cardiac Findings by: Dr Wonder Woman**

**Co-read of Cardiac and Non-Cardiac Findings by: Dr Donald Duck**

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General Report #1032925: Authorised by Dr Wonder Woman () at 10/01/2019 20:09  Date Serviced: 10/01/2019 08:00  Requests: 19/LI/0001221 (Series 3; Requested by: Dr; Work Site: LI)  Services: CT Coronary Angiogram (NR) (10/01/2019 08:00 - 10/01/2019 08:15)
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## **EXAM: CT CORONARY ANGIOGRAM AND CALCIUM SCORE**

### **CLINICAL DETAILS:**

Stable symptoms consistent with coronary ischaemia at low to intermediate risk of coronary artery disease and would otherwise have been considered for invasive angiography. Exclude coronary artery disease. Strong family history of cardiac problems.

### **TECHNICAL PARAMETERS:**

Single phase CT coronary angiography was performed using prospective ECG gating at 100 kVp. The DLP for the entire study is 64 mGycm<sup>-1</sup>. Medication administered in the department: 75 mg oral metoprolol. 800 mcg nitrates. Intravenous iodine contrast volume: 60 mL. Data acquisition was at an average heart rate of 57 bpm. Image quality is good .

### **FINDINGS:**

#### **CORONARY ARTERIES**