

### **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, left circumflex and intermediate arteries. There is no evidence of atherosclerotic disease.

### **Left anterior descending artery**

The LAD is a medium calibre vessel and gives rise to 2 major diagonal branches .

There is multifocal mixed plaque in the proximal LAD causing maximal stenosis of 25-49%.

### **Ramus intermedius artery**

The ramus intermedius is a small calibre vessel. There is focal mixed plaque in the mid vessel, causing < 25% stenosis.

### **Circumflex artery**

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

There is multifocal mixed plaque in the proximal and mid LCX 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 2 posterior descending arteries and 2 posterolateral branches .

There is multifocal mixed plaque in the mid RCA causing < 25% stenosis.

### **ADDITIONAL CARDIAC FINDINGS**

The cardiac chambers, myocardium, pericardium and scanned segments of the thoracic aorta appear normal.

### **OTHER FINDINGS**

The lungs appear clear.

There are mildly enlarged hilar and mediastinal lymph nodes which contains a small amount of calcification. The features may be in keeping with healed granulomatous disease.

### **CONCLUSION:**

**Multifocal non obstructive coronary artery atherosclerosis involving all three major vessels . There are no additional cardiac findings of relevance in the scanned segments.**

**Calcium score on the 94th percentile for age race and gender**

Thank you for referring this patient.

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

**Co-read of Cardiac Findings by: Dr Iron Man**

---

General  
Report  
#1035250:  
Authorised by  
Dr Donald  
Duck () at  
16/01/2019  
08:50

Date Serviced:  
15/01/2019  
10:00

Requests:  
19/LI/0001925  
(Series 2;  
Requested by:  
Dr; Work Site:  
LI)

Services:  
CT Coronary  
Angiogram  
(NR)  
(15/01/2019  
10:00 -  
15/01/2019  
10:15)

## **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. Multiple risk factors.

### **TECHNICAL PARAMETERS:**

Single phase CT coronary angiography was performed using prospective ECG gating at 120 kVp. The DLP for the entire study is 2223 mGycm<sup>-1</sup>. Medication administered in the department: 800 mcg nitrates. Intravenous iodine contrast volume: 82 mL. Data acquisition was at an average heart rate of 64 bpm. Image quality is good .

### **FINDINGS:**

#### **CORONARY ARTERIES**