

---

General Report  
#1028992:  
Authorised by  
Dr Wonder  
Woman () at  
02/01/2019  
16:14

Date Serviced:  
02/01/2019  
09:30

Requests:  
19/RA/0000005  
(Series 4;  
Requested by;;  
Work Site: RA)

Services:  
CT Coronary  
Angiogram  
(NR)  
(02/01/2019  
09:30 -  
02/01/2019  
09:40)

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

### **CLINICAL DETAILS:**

Risk evaluation. Risk factors for coronary artery disease: - Hypercholesterolaemia.

### **TECHNICAL PARAMETERS:**

Single phase CT coronary angiography was performed using prospective ECG gating at 120 kVp. The total radiation dose (DLP) including scout, non contrast and contrast acquisitions was 262 mGycm<sup>-1</sup>. Medication administered in the department: 100 mg oral metoprolol. 800 mcg nitrates. Intravenous iodine contrast volume: 100 mL. Data acquisition was at an average heart rate of 51 bpm. Image quality was good .

### **FINDINGS:**

#### **CORONARY ARTERIES**

##### **Calcium score**

*The calcium score is 0 . This score is consistent with minimal coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the lowest possible 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 and circumflex vessels. It appears normal.

### **Left anterior descending artery**

The LAD is a large calibre artery and gives rise to one main diagonal branch. The main vessel and its major diagonal branch appear normal.

### **Circumflex artery**

The main circumflex artery and its lateral and posterolateral branches appear normal.

### **Right coronary artery**

The RCA is a medium calibre vessel which arises from the right coronary sinus of Valsalva in the usual position and gives rise to two posterior descending branches. The main vessel and its distal branches appear normal.

### **ADDITIONAL CARDIAC FINDINGS**

The cardiac chambers, myocardium, pericardium and scanned segments of the thoracic aorta appear normal. An inferior diverticulum of the left atrial appendage is noted.

### **OTHER FINDINGS**

The lungs appear clear.

### **CONCLUSION:**

**The epicardial coronary arteries appear normal by CT angiography. 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**

---

General Report  
#1028971:  
Authorised by  
Dr Wonder  
Woman () at  
02/01/2019  
22:28

Date Serviced:  
02/01/2019  
08:25

Requests:  
19/RA/0000002  
(Series 1;  
Requested by:  
Dr; Work Site:  
RA)

Services:  
CT Coronary  
Angiogram  
(NR)  
(02/01/2019  
09:00 -  
02/01/2019  
09:10)

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

### **CLINICAL DETAILS:**

Risk evaluation. Risk factors for coronary artery disease: - Hyperlipidaemia.

### **TECHNICAL PARAMETERS:**

Single phase CT coronary angiography was performed using prospective ECG gating at 100 kVp. The total radiation dose (DLP) including scout, non contrast and contrast acquisitions was 137 mGycm<sup>-1</sup>. The patient had been pre-treated with beta blockers. Medication administered in the department: 800 mcg nitrates. Intravenous iodine contrast volume: 100 mL. Data acquisition was at an average heart rate of 42 bpm. Image quality was good .

### **FINDINGS:**

#### **CORONARY ARTERIES**

#### **Calcium score**