

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 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 no evidence of atherosclerotic disease.

### **Circumflex artery**

The left circumflex artery is a medium calibre vessel and gives rise to 2 major obtuse marginal branches . There is no evidence of atherosclerotic disease.

### **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**

There appears to be a PFO.

### **OTHER FINDINGS**

The lungs appear clear.

### **CONCLUSION:**

**The epicardial coronary arteries appear normal on CT angiography. Patent foramen ovale. There are no other additional cardiac findings of relevance in the scanned segments.**

Thank you for referring this patient.

**Primary Read of Cardiac Findings by: Dr Mickey Mouse**

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



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General Report  
#1041821:  
Authorised by  
Dr Captain  
Marvel () at  
04/02/2019  
16:13

Date Serviced:  
29/01/2019  
12:05

Requests:  
19/RA/0002007  
(Series 1;  
Requested by:  
Dr; Work Site:  
RA)

Services:  
CT Coronary  
Angiogram  
(NR)  
(29/01/2019  
10:40 -  
29/01/2019  
10:50)

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

### **CLINICAL DETAILS:**

Risk evaluation. Asymptomatic, negative stress test. Risk factors for coronary artery disease:  
- Current smoker. Hypertension. Hyperlipidaemia.

### **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 278 mGycm<sup>-1</sup>. The patient had been pre-treated with beta blockers. Medication administered in the department: 200 mg oral metoprolol. 800 mcg nitrates. Intravenous iodine contrast volume: 120 mL. Data acquisition was at an average heart rate of 67 bpm. Image quality was adequate with some motion artefact present due to an inability to achieve adequate heart rate control despite maximal dose of metoprolol. .

### **FINDINGS:**

#### **CORONARY ARTERIES**