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General  
Report  
#1041007:  
Authorised by  
Dr Wonder  
Woman () at  
31/01/2019  
11:16

Date Serviced:  
25/01/2019  
09:00

Requests:  
19/BJ/0000868  
(Series 0;  
Requested by:  
Dr; Work Site:  
BJ)

Services:  
CT Coronary  
Angiogram  
(NR)  
(25/01/2019  
09:30 -  
25/01/2019  
09:50)

## **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. Risk factors for coronary artery disease: - Significant family history. Hypercholesterolaemia.

### **TECHNICAL PARAMETERS:**

Single phase CT coronary angiography was performed using prospective ECG gating at 80 kVp. The DLP for the entire study is 137 mGycm<sup>-1</sup>. Medication administered in the department: 800 mcg nitrates. Intravenous iodine contrast volume: 89 mL. Data acquisition was at an average heart rate of 50 bpm. Image quality is good .

### **FINDINGS:**

#### **CORONARY ARTERIES**

### **Calcium score**

The calcium score is 0 . This score is consistent with no calcific 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 . 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 are no significant non coronary cardiac findings. There is a trace of fluid in the pericardium.

### **OTHER FINDINGS**

The lungs appear clear.

### **CONCLUSION:**

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