

### **Calcium score**

The calcium score is 11 . Distribution of calcium:- LAD This score is consistent with a low coronary artery atherosclerotic plaque burden but even so, on a population basis, this score places the patient in the 81st percentile rank for age , race and gender according to MESA cohort.

### **Dominance**

The circulation is right dominant .

### **Left main coronary artery**

There is no LMCA as the LAD and circumflex arteries have separate origins from the left coronary sinus.

### **Left anterior descending artery**

The LAD is a medium calibre vessel and gives rise to several diagonal branches . Focal non calcified plaque is seen in the proximal vessel and there is focal mixed plaque in the mid segment associated with <25% stenosis.

### **Circumflex artery**

The left circumflex artery is a medium calibre vessel and gives rise to 1 major obtuse marginal branch . 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. The distal vessel gives rise to a posterior descending artery and 2 posterolateral branches . There appears to be minor non calcified plaque in the mid segment causing <25% stenosis although this appearance could possibly be due to minor motion artefact.

### **ADDITIONAL CARDIAC FINDINGS**

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

### **OTHER FINDINGS**

The lungs appear clear.

### **CONCLUSION:**

**Focal non obstructive coronary artery atherosclerosis involving the LAD and possibly the RCA. Overall plaque burden is low despite the MESA percentile rank. 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 Findings by: Dr Bruce Banner**

