

Calcium score

The calcium score is 777 . This score is consistent with high coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the 90th 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 2 major diagonal branches .

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

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

Circumflex artery

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

There is multifocal calcified plaque in the proximal LCX causing < 25% stenosis.

There is focal non-calcified plaque in the mid LCX causing maximal stenosis of 50-69%.

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 multifocal calcified plaque in the proximal RCA causing < 25% stenosis.

There is diffuse mixed plaque in the distal RCA causing maximal stenosis of 50-69%.

There is focal mixed plaque in the PDA causing maximal stenosis of 25-49%.

ADDITIONAL CARDIAC FINDINGS

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

OTHER FINDINGS

The lungs appear clear.

CONCLUSION:

Moderate multifocal obstructive coronary artery atherosclerosis involving the distal RCA and mid circumflex . Suggest correlation with functional test/ invasive angiography. There are no 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

General Report

#1043777:

Authorised by

Dr Wonder

Woman () at

06/02/2019

22:00

Date Serviced:

01/02/2019

10:04

Requests:

19/RA/0002313

(Series 2;

Requested by:

Dr; Work Site:

RA)

Services:

CT Coronary

Angiogram

(NR)

(01/02/2019

10:30 -

01/02/2019

10:40)

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.

TECHNICAL PARAMETERS:

Single phase CT coronary angiography was performed using prospective ECG gating at 100 kVp. The DLP for the entire study is 123 mGycm⁻¹. Medication administered in the department: 25 mg oral metoprolol. 800 mcg nitrates. Intravenous iodine contrast volume: 100 mL. Data acquisition was at an average heart rate of 52 bpm. Image quality is good .

FINDINGS:**CORONARY ARTERIES****Calcium score**