

The calcium score is 272 . Distribution of calcium:- LMCA, LAD, RCA This score is consistent with moderate coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the 82nd 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 contains focal calcified plaque at its ostium associated with postive remodelling, causing causing no appreciable luminal narrowing.

Left anterior descending artery

The LAD is a large calibre artery and gives rise to multiple diagonal branches. There is multifocal mixed plaque in the proximal and mid segments associated with maximal stenosis of 25-49% in the mid vessel. Further minor focal calcification is seen in the first diagonal branch.

Circumflex artery

The circumflex artery is of large calibre. The main vessel and its obtuse marginal branches appear normal.

Right coronary artery

The RCA is a large calibre vessel which arises from the right coronary sinus of Valsalva in the usual position and gives rise to posterior descending and posterolateral branches. Multifocal mixed, predominantly calcified plaque is seen in the proximal, mid and distal vessel associated with maximal stenosis of 25-49%. The posterior descending and posterolateral branches of the RCA appear normal.

ADDITIONAL CARDIAC FINDINGS

There is dense calcification in the aortic root. There are no additional non coronary cardiac findings of significance.

OTHER FINDINGS

The lungs appear clear.

CONCLUSION:

The epicardial coronary arteries exhibit moderate multifocal non-obstructive atherosclerotic changes involving the LMCA, LAD and RCA .

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
#1032303:
Authorised by
Dr Wonder
Woman () at
10/01/2019
20:17

Date Serviced:
09/01/2019
08:45

Requests:
19/BJ/0000210
(Series 0;
Requested by:
Dr; Work Site:
BJ)

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

EXAM: CT CORONARY ANGIOGRAM AND CALCIUM SCORE

CLINICAL DETAILS:

Risk evaluation. Progress study. Risk factors for coronary artery disease: - Family history. 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 252 mGycm⁻¹. The patient had been pre-treated with beta blockers. Medication administered in the department: 800 mcg nitrates. Intravenous iodine contrast volume: 90 mL. Data acquisition was at an average heart rate of 53 bpm. Image quality was good .

FINDINGS:

CORONARY ARTERIES