

The calcium score is 181 . Distribution of calcium:- LAD LCX RCA This score is consistent with moderate coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the 46th percentile rank for age , race and gender according to MESA cohort.

Dominance

The circulation is left 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 large calibre vessel and gives rise to 2 major diagonal branches .

There is multifocal mixed, predominantly calcified plaque in the proximal and mid LAD associated with <25% stenosis.

Circumflex artery

The left circumflex artery is large calibre dominant vessel supplying the PDA.

There is focal mixed plaque at the ostium of the LCX causing < 25% stenosis. The remainder of the vessel and its lateral, posterolateral and posterior descending branches appear normal.

Right coronary artery

The RCA arises from the right sinus of Valsalva in the usual position. It is a small calibre non-dominant vessel. .

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

ADDITIONAL CARDIAC FINDINGS

There appears to be left ventricular hypertrophy. Mild atherosclerotic changes are present in the thoracic aorta.

OTHER FINDINGS

The lungs appear clear. There are atelectatic changes at the left lung base.

CONCLUSION:

Multifocal non obstructive coronary artery atherosclerosis involving all three major vessels . There appears to be LVH affecting the basal segments a little more than the apical 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

General
Report
#1032322:
Authorised by
Dr Wonder
Woman () at
10/01/2019
20:22

Date Serviced:
09/01/2019
10:00

Requests:
19/BJ/0000212
(Series 0;
Requested by:
Dr; Work Site:
BJ)

Services:
CT Coronary
Angiogram
(NR)
(09/01/2019
10:00 -
09/01/2019
10:20)

EXAM: CT CORONARY ANGIOGRAM AND CALCIUM SCORE

CLINICAL DETAILS:

Risk evaluation. Risk factors for coronary artery disease: - Hypertension. Ex smoker.

TECHNICAL PARAMETERS:

Single phase CT coronary angiography was performed using prospective ECG gating at 100 kVp. The total radiation dose (DLP) including scout, non contrast and contrast acquisitions was 180 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 50 bpm. Image quality was good .

FINDINGS:

CORONARY ARTERIES

Calcium score