

Calcium score

The calcium score is 3 . Distribution of calcium:- LAD This score is consistent with minimal coronary artery atherosclerotic plaque burden but even so, on a population basis, this score places the patient in the 43rd 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 appears normal.

Left anterior descending artery

The LAD is a medium calibre artery and gives rise to 2 main diagonal branches. There is focal calcified plaque in the proximal segment associated with postive remodelling, causing virtually no luminal narrowing. No additional atherosclerotic changes of significance are detected within the main vessel or major diagonal branches with minor registration artefact noted in the mid segment and at the origin of the second diagonal branch.

Circumflex artery

No significant atherosclerotic changes are seen in the main circumflex artery or its obtuse marginal branches.

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. The main vessel and its distal branches appear normal.

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 calcified plaque is seen in the proximal LAD . The epicardial coronary arteries otherwise appear normal by CCTA. 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
#1035183:
Authorised by
Dr Wonder
Woman () at
17/01/2019
08:00

Date Serviced:
15/01/2019
09:00

Requests:
19/BJ/0000420
(Series 0;
Requested by:
Dr; Work Site:
BJ)

Services:
CT Coronary
Angiogram
(NR)
(15/01/2019
09:30 -
15/01/2019
09:50)

EXAM: CT CORONARY ANGIOGRAM AND CALCIUM SCORE

CLINICAL DETAILS:

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

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 159 mGycm⁻¹. The patient had been pre-treated with beta blockers. Medication administered in the department: 800 mcg nitrates. Intravenous iodine contrast volume: 80 mL. Data acquisition was at an average heart rate of 57 bpm. Image quality was good .

FINDINGS:

CORONARY ARTERIES

Calcium score