

The calcium score is 0 . This score is consistent with minimal coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the lowest possible percentile rank for age, race and gender according to the MESA cohort. Note is made of focal calcification in the proximal circumflex artery which is of insufficient volume / HU value to attract an Agatston score.

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, intermediate and circumflex vessels. It appears normal.

Left anterior descending artery

The LAD is a medium calibre artery and gives rise to one main diagonal branch. The main vessel, major diagonal branch and intermediate artery appear normal.

Circumflex artery

There is focal mixed plaque at the ostium of the circumflex artery associated with positive remodelling, causing no luminal narrowing. No further atherosclerotic changes are seen in the main vessel 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

There is a simple cyst in the right lobe of the liver.

There is a 4mm nodule overlying the right middle lobe and an adjacent 3mm nodule.

CONCLUSION:

Focal mixed plaque is seen in the proximal circumflex artery with the volume / HU value of the calcium insufficient to attract an Agatston score. The epicardial coronary arteries appear normal by CT angiography. 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
#1043842:
Authorised by
Dr Wonder
Woman () at
06/02/2019
21:58

Date Serviced:
01/02/2019
11:03

Requests:
19/RA/0002324
(Series 2;
Requested by:
Dr; Work Site:
RA)

Services:
CT Coronary
Angiogram
(NR)
(01/02/2019
10:40 -
01/02/2019
10:50)

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 152 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 57 bpm. Image quality is diagnostic .

FINDINGS:

CORONARY ARTERIES