

Single phase CT coronary angiography was performed using prospective ECG gating at 100 kVp. The DLP for the entire study is 171 mGycm⁻¹. Medication administered in the department: 50 mg oral metoprolol. 800 mcg nitrates. Intravenous iodine contrast volume: 90 mL. Data acquisition was at an average heart rate of 47 bpm. Image quality is good .

FINDINGS:

CORONARY ARTERIES

Calcium score

The calcium score is 0 . This score is consistent with no calcific coronary artery atherosclerotic plaque burden. On a population basis, this score places the patient in the lowest possible 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 no evidence of atherosclerotic disease.

Circumflex artery

The left circumflex artery is a medium calibre vessel and gives rise to 1 major obtuse marginal branch . There is no evidence of atherosclerotic disease.

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 no evidence of atherosclerotic disease.

ADDITIONAL CARDIAC FINDINGS

There are no significant non coronary cardiac findings.

OTHER FINDINGS

There is a calcified granuloma within the right lower lobe and another within the liver.

CONCLUSION:

The epicardial coronary arteries appear normal on CT angiography. There are no additional cardiac findings of relevance in the scanned segments.

Thank you for referring this patient.

Primary Read of Cardiac and Non Cardiac Findings by: Dr Donald Duck

Co-read of Cardiac and Non-Cardiac Findings by: Dr Wonder Woman

General
Report
#1038891:
Authorised by
Dr Wonder
Woman () at
23/01/2019
19:00

Date Serviced:
22/01/2019
09:30

Requests:
19/BJ/0000686
(Series 0;
Requested by:
Dr; Work Site:
BJ)

Services:
CT Coronary
Angiogram
(NR)
(22/01/2019
09:30 -
22/01/2019
09:50)

EXAM: CT CORONARY ANGIOGRAM AND CALCIUM SCORE

CLINICAL DETAILS:

Screening test. Progress study. Calcified plaque distal LMCA and non calcified plaques distal RCA 2011. Risk factors for coronary artery disease: - Hypertension. Hyperlipidaemia.

TECHNICAL PARAMETERS:

Multiple phase CT coronary angiography was performed using prospective ECG gating at 100 kVp. 80msec padding was added to facilitate an intracycle motion correction algorithm. The total radiation dose (DLP) including scout, non contrast and contrast acquisitions was 391 mGycm⁻¹. The patient had been pre-treated with beta blockers. Medication administered in the department: 50 mg oral metoprolol. 800 mcg nitrates. Intravenous iodine contrast volume: 96 mL. Data acquisition was at an average heart rate of 55 bpm. Image quality was good .

FINDINGS: