

General Report
#1036599:

Authorised by
Dr Wonder
Woman () at
20/01/2019
21:06

Date Serviced:
17/01/2019
08:47

Requests:
19/RA/0001177
(Series 1;
Requested by:
Dr; Work Site:
RA)

Services:
CT Coronary
Angiogram
(NR)
(17/01/2019
09:40 -
17/01/2019
09:50)

EXAM: CT CORONARY ANGIOGRAM AND CALCIUM SCORE

CLINICAL DETAILS:

Risk evaluation. Asymptomatic. Risk factors for coronary artery disease: -
Hypercholesterolaemia.

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 137 mGycm⁻¹. Medication administered in the department: 150 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 was diagnostic with some motion artefact present.

FINDINGS:

CORONARY ARTERIES

Calcium score

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.

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 one main diagonal branch. The main vessel and its major diagonal branch appear normal. There is muscular bridging and some motion artefact affecting reconstruction of the mid vessel.

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 ascending aorta appears borderline dilated at 36mm.

OTHER FINDINGS

There is a 6mm nodule in the right middle lobe of the lung as well as a few smaller nodules. A formal CT chest is advised.

CONCLUSION:

The epicardial coronary arteries appear normal by CT angiography allowing for minor motion artefact. 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