

Coronary CTA with Calcium Scoring

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|---|---------------------------------|
| Patient Name: [REDACTED] | Patient ID: [REDACTED] |
| DOB: [REDACTED] Gender: M | Study Date: [REDACTED] |
| Accession #: [REDACTED] | Tech: JM |
| BMI: 28.12 | Ref Provider: DR. PARIKH |

PROCEDURES:

Computed tomography angiogram of the heart, with contrast material, for evaluation of cardiac structure and morphology (including 3D image post processing) with calcium score.

ECG Triggering:

Prospective ECG triggering was used. Heart rate at time of aquisition was approximately 59.1 bpm. Prior to scanning, patient recieved nitroglycerin 0.4 mg sublingual. Prior to scanning, patient recieved oral atenolol 0 mg.

Dose:

A total of 75 ml of Ominpaque contrast was administered IV for this exam. The CT dose-length product (DLP) radiation dose was: 206.7.

Image quality:

The image quality was excellent with no artifacts.

INDICATIONS:

Preventative exam.

FINDINGS:**Calcium Score:**

LM: 82

RCA: 3

LAD: 1

CFX: 0

Total Calcium Score: 86

The percentile of patients age, gender, and race/ethnicity-match per MESA database is 58.

Left Main:

The left main vessel caliber is large. The left main coronary artery trifurcates in the LAD, LCX, and RI. The mid-distal left main coronary artery has a 1-24% stenosis with calcified and non-calcified plaque.

Left Anterior Descending:

The left anterior descending vessel caliber is large. Branches It gives off 2 diagonal branches. D1 is a small < 2 mm vessel. D2 is medium sized vessel with no significant disease. The proximal left anterior descending artery has a 1-24% stenosis with mild non-calcified plaque. Ramus intermedius is medium sized, branched vessel. There is mild 1-24% stenosis with non-calcified plaque.

Left Circumflex:

The left circulflex vessel caliber is medium. LCX gives off 1 obtuse marginal branch. The ostial left circumflex artery has a 1-24% stenosis with non-calcified plaque.

Right Coronary:

The right coronary vessel caliber is large. RCA gives off 1 posterior descending artery branch and a postieror lateral branch. The mid right coronary artery has a 1-24% stenosis with mild non-calcified plaque.

Left Ventricle:

Normal left ventricular cavity size.

Cardiac Valves:

There is no thickening or calcifications in the aortic and mitral valves.

Pericardium:

Within normal limits.

Extra Cardiac Findings:

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CTA CORONARY W/:[REDACTED]

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None noted.

CONCLUSIONS:

- 1. Total Calcium Score: 86. The percentile of patients age, gender, and race/ethnicity-match per MESA database is 58.**
- 2. CAD-RADS 2, P2. Mild non-obstructive CAD with calcified and non-calcified plaque noted in LM, LAD, Ramus, LCx and RCA.**
- 3. Right dominant coronary artery system.**

RECOMMENDATIONS:

CAD-RADS 2 Mild non-obstructive CAD. Management Recommendation: Consider non-atherosclerotic causes of chest pain. Consider preventative therapy and risk factor modification, particularly for patients with non-obstructive plaque in multiple segments.

Electronically Signed By:

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2024-06-07 14:53:13 PDT

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