

CT ANGIOGRAM CARDIAC CORONARY

Collected on Jul 15, 2025 4:31 PM

Results

Impression

1. Agatston coronary calcium score 94, which is 47th percentile for the patient's age (i.e., 47% of individuals of the same gender and similar age in the general population have lower calcium score than the patient).
2. Mild nonobstructive coronary artery disease (CAD-RADS 2, 25-49% stenosis). Mild narrowing of the proximal LAD another minimal changes as above.

Narrative

INDICATION: abnormal stress test.

COMPARISON: None.

TECHNIQUE: Noncontrast coronary artery calcium protocol CT was performed. Contrast was administered. A retrospectively gated, dose-modulated coronary CTA was performed. Post-processing and 3D reconstructions including curved MPR and multiplanar imaging were performed. Automated exposure control was used.

MEDICATIONS:

Metoprolol: 50 mg by mouth evening prior to and date of exam

Nitroglycerin: 0.4 mg sublingual

HEART RATE: 66 beats/min

CONTRAST: IOPAMIDOL 370 MG IODINE/ML (76 %) INTRAVENOUS SOLUTION : Dose Given - 100 mL

STUDY QUALITY: Good.

FINDINGS:

Visualized Noncardiac Structures: Lungs are clear. Mediastinum and extracardiac soft tissues are normal.

Aorta/Pulmonary Arteries: Visualized portions normal.

Systemic and Pulmonary Veins: Visualized portions normal.

Ventricles: Normal.

Atria: Normal.

Valves: Normal.

Pericardium: Normal.

CORONARY ARTERIES:

Agatston coronary calcium score:

Left Main (LM): 0
Left Anterior Descending (LAD): 71
Circumflex (LCX): 22
Right Coronary Artery (RCA): 0
Total: 94, which is 47th percentile for the patient's age and gender.

Coronary arteries arise in normal position.
Right coronary artery dominance.

LM: Normal.

LAD: Moderate calcifications in the proximal vessel, with up to 30% narrowing. A large first diagonal is dominant over a slightly smaller adjacent LAD, with minimal areas of narrowing less than 25% and mild luminal irregularity.

LCX: Mild calcifications in the mid vessel, with less than 25% stenosis.

RCA: Mild luminal irregularity, without stenosis.



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Result date: Jul 15, 2025 4:34 PM
Result status: Final

