

Calcium score : 770 Volume: 113

#### CORONARY ARTERIES:

Dominance: Right.

There are separate origins of the left anterior descending coronary artery and the left circumflex coronary artery from the left coronary cusp.

LAD: There is a mixed plaque in the proximal left anterior descending artery causing mild stenosis. Several calcified plaques are also seen within the remainder of the left anterior descending coronary artery. These are causing only mild stenoses.

Diagonals: The first, second and third diagonal branches of the left anterior descending artery appear patent.

Circumflex: There is a mixed (principally noncalcified) plaque within the proximal left circumflex coronary artery, extending into the origin of the first marginal branch. It is causing mild stenosis of the left circumflex coronary artery, but moderate stenosis of the first marginal branch. The remainder of the left circumflex coronary artery and its marginal branch appear patent

RCA: There is a long (25 mm) circumferential mixed plaque circumferential involving the proximal right coronary artery. There is a relatively large non-calcified portion distally, and this is causing severe stenosis with possible occlusion at this point. The first marginal branch arises from within the midportion of this plaque, but appears patent. There is a small calcified plaque within the distal portion of the right coronary artery, causing only mild stenosis.

#### CARDIAC FINDINGS:

Cardiac Chambers: The left and right ventricles appear normal in size and function. In particular the inferior wall of the left

ventricle appears normal in thickness and motion, with no evidence of the previous myocardial infarct.

Cardiac Valves: The mitral and aortic valves appear grossly normal.

Pericardium: The pericardium appears normal, and there is evidence of a pericardial effusion.

Aortic root: The aortic root appears normal in size.

Pulmonary Trunk: The pulmonary trunk and pulmonary arteries appear normal.

Left atrium: Normal in size and function.

#### LIMITED CHEST CT FINDINGS:

Lung parenchyma: The visualized lung parenchyma appears normal.

Pleural spaces: There is no evidence for pleural effusion or pneumothorax.

Chest wall: The visualized chest wall appears normal.

#### IMPRESSION:

1. Calcium score 770 placing the patient in the 80th percentile for age.
2. Separate origins of the left circumflex coronary artery and left anterior descending coronary artery from the left coronary cusp.
3. Severe stenosis and possibly occlusion of the proximal right coronary artery due to mixed plaque.
4. Mixed plaque involving the left circumflex coronary artery and extending into the origin of the first marginal branch causing mild-to-moderate stenosis.
5. Mild diffuse atherosclerotic disease involving the left anterior descending coronary artery.

Thank you for referring this patient.

Electronically Signed by: Dr Captain Marvel

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