

Technical Quality & technical issues: Good.

#### CORONARY ARTERIES:

There is a left internal mammary artery (LIMA) graft, extending from the left subclavian artery, to the distal left anterior descending artery. It appears patent. Runoff to the distal left anterior descending coronary artery is good.

There is also a saphenous vein graft arising from the anterior aspect of the ascending aorta, and extending over the pulmonary artery to anastomose with the marginal branch of the left circumflex coronary artery, with a crossover graft extending to supply the posterior descending artery. These grafts are patent. The posterior descending coronary artery appears patent. The acute marginal branch of the left circumflex coronary artery appears patent.

The native left anterior descending coronary artery and left circumflex coronary artery appears occluded due to severe mixed atherosclerotic disease.

There is mild diffuse calcific plaque involving the right coronary artery with several moderate to high-grade stenoses throughout its course.

#### CARDIAC FINDINGS:

Cardiac Chambers: The left and right ventricles appear normal in size and function. There is mild thinning of the anterior segment of the left ventricle at the apical level that may relate to a previous myocardial infarct.

Cardiac Valves: There is some calcification involving the aortic valve. There is mild calcification of the mitral valve annulus.

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: The left atrium appears mildly enlarged.

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:

Patent LIMA and saphenous vein grafts as described above. Good runoff is seen distal to the grafts. There is moderate diffuse atherosclerotic disease involving the native right coronary artery, and occlusion of the native left anterior descending and left circumflex coronary arteries. There is a suggestion of an old apical infarct within the left anterior descending coronary artery territory.

Thank you for referring this patient.

Electronically Signed by: Dr CAPTAIN MARVEL

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