

Calcium score : 2309 Volume: 315

#### CORONARY ARTERIES:

Dominance: [Right.]

LM: There is a short left main coronary artery. There is a small calcific plaque, with no significant stenosis

LAD: A large mixed plaque is seen within the proximal left anterior descending coronary artery causing mild to moderate stenosis. A noncalcified plaque is seen just distal to the origin of the first diagonal branch, causing severe stenosis. Another relatively large soft plaque is seen within the midportion of the mid left anterior descending coronary artery causing moderate stenosis. Several calcific plaques are seen within the distal left anterior descending artery. Blooming artifact makes assessment difficult, but these are thought to be causing mild stenosis.

Diagonals: Several small calcific plaques are seen within the first, second and third diagonal branches of the left anterior descending artery. No significant stenosis is identified.

Circumflex: There is mild diffuse calcific disease within the proximal left circumflex coronary artery with no significant stenosis identified. Similar mild diffuse calcific disease is seen within the first and second acute marginal branches. There is however a moderate mixed plaque within the midportion of the second obtuse marginal branch causing moderate to severe stenosis.

RCA: There is mild to moderate diffuse calcific disease involving the right coronary artery, including the posterior descending coronary artery.

Assessment is difficult due to blooming artefact.

#### CARDIAC FINDINGS:

Cardiac Chambers: [The left and right ventricles appear normal in size

and function.]

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

Pericardium: There is a physiological 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.]

Upper abdomen: There is a tiny (5 mm) arterially enhancing lesion within the right hepatic lobe (segment 8). It likely represents a small flash filling hemangioma, or a focus of focal nodular hyperplasia, but is incompletely characterized on today's examination.

#### IMPRESSION:

1. High calcium score (2309), placing the patient in the top 10 percentile for age. This makes assessment difficult, particularly within the right coronary artery.
2. Moderate to severe stenosis within the midportion of the left anterior descending artery secondary to soft plaque.
3. Moderate to severe stenosis within the midportion of the second acute marginal branch of the left circumflex coronary artery secondary to mixed plaque

Small nonspecific arterially enhancing hepatic lesion as described above.

Thank you for referring this patient.

Electronically Signed by: Dr CAPTAIN MARVEL

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