

3 Sublingual Nitroglycerine: One spray

4 Regular medication: Not applicable

Technical Quality & technical issues: Good quality study

Calcium score (AGATSTON):1286

Volume:172

CORONARY ARTERIES:

Dominance: Right however only a small PDA is present.

LM: Within normal limits without significant calcification or stenosis.

LAD: Prominent calcific plaque is noted through the length of the LAD.

In the proximal segment a linear calcified plaque is noted without significant stenosis however there is positive remodeling of the proximal LAD.

There is diffuse calcified plaque in the mid and distal segments of the LAD with mild to moderate stenoses and positive remodeling.

There is blooming artifact related to the calcifications.

Diagonals: The first second and third diagonals are small without significant stenosis

Circumflex: A small OM1 arises from the circumflex immediately beyond the bifurcation of the left main coronary artery, hence the proximal circumflex is short with no significant stenosis.

The mid circumflex artery has calcification at its distal aspect extending into the OM2 branch. The distal circumflex artery is of smaller calibre than the midsegment with the soft plaque and calcification at the distal aspect of the midsegment causing a 50% diameter stenosis at the most proximal aspect of the distal segment.

The rest of the distal circumflex is small however no significant stenosis is present

RCA: There are calcified plaques related to the junction of the proximal and mid segment, mid segment and distal segment of the RCA without significant stenosis related. The PL branches are prominent and are within normal limits, the PDA is a small vessel without stenosis

#### CARDIAC FINDINGS:

Cardiac Chambers: No significant chamber enlargement.

Ejection Fraction: 53%.

Cardiac Valves: No significant calcification.

Pericardium: No pericardial effusion.

Aortic root: Within normal limits.

Pulmonary Trunk: Within normal limit

Pulmonary arteries: Within normal limits.

Left atrium: Within normal limits with no atrial appendage thrombus.

#### LIMITED CHEST CT FINDINGS:

Lung parenchyma: Minor dependent atelectasis.

Pleural spaces: Within normal limits.

Chest wall: No abnormality detected.

#### COMMENT & IMPRESSION:

The high calcium score suggest significant calcific atherosclerosis with increased risk of cardiac events.

The coronary CTA demonstrates diffuse calcific atherosclerosis involving the LAD, and RCA-no significant stenosis is present in these vessels.

A moderate stenosis at the junction of the mid and distal segments of the circumflex coronary artery was demonstrated.

Thank you for referring this patient.

Electronically Signed by: DR JAMES BOND/DR WONDER WOMAN

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