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General Report  
#119789:  
Authorised by  
Root (Root) at  
19/10/2010 20:01

Date Serviced:  
31/12/9999 00:00

Requests:  
10/OCC/0053893  
(Series 0;  
Requested by: Dr  
OCCAM; Work  
Site: OCC)

Services:  
CT Coronary  
Angiogram (NR)

Exam Date: 09/09/2010

Report Date:

Report Collection: delivery

Referring Doctor:

Exam: CT CORONARY ANGIOGRAM

INDICATION: Peripheral vascular disease

TECHNICAL PARAMETERS:

A CTA Coronary Angiogram was performed using a 64 slice cardiac CT scanner.

The images have been evaluated and re-constructed and manipulated on a 3D work station.

Heart rate: 65 Radiation dose (DLP): 571

1 Intravenous BETA-BLOCKER: None.

2 Oral BETA-BLOCKER: 25 mg.

3 Sublingual Nitroglycerine: One dose.

4 Regular beta blocker: No.

Technical Quality & technical issues: Good.

Calcium score (AGATSTON): 3719 Volume: 670

#### CORONARY ARTERIES:

Dominance: Right

LM: The left main coronary artery demonstrates a moderately large calcified plaque. Blooming artifact makes assessment difficult, and the degree of stenosis is difficult to characterize.

LAD: The left anterior descending coronary artery demonstrates moderate diffuse calcific atherosclerotic plaque. Blooming artifact makes assessment difficult. The first diagonal branch demonstrates a mild calcific plaque at its origin causing mild stenosis.

Circumflex: The left circumflex coronary artery is diminutive (as the patient is right-sided dominant). There appears to be a mild focal stenosis of its origin due to soft plaque.

RCA: There is a moderately large calcified plaque within the proximal right coronary artery. Blooming artifact makes assessment difficult and the degree of stenosis is difficult to assess but only felt to be mild. A calcific plaque is also seen within the mid aspect of the right coronary artery but again the degree of stenosis is difficult to determine but felt to be mild to moderate. The distal right coronary artery appears normal common supplies the posterior descending coronary artery.

#### CARDIAC FINDINGS:

Cardiac Chambers: The atria and ventricles appear normal in size and function.

Cardiac Valves: The mitral and aortic valves appear apart from minimal calcification of the aortic valve.

Pericardium: The pericardium appears normal and there is no

pericardial effusion.

Aortic root: The aortic root appears normal in caliber and contour.

Pulmonary Trunk: The pulmonary trunk appears normal in caliber and contour.

Pulmonary arteries: The pulmonary arteries appear normal.

Left atrium: The left atrium is mildly enlarged. The pulmonary veins appear normal. No thrombus is seen within the left atrial appendage.

#### LIMITED CHEST CT FINDINGS:

Lung parenchyma: The visualised lungs appear clear.

Pleural spaces: There is no evidence of pleural plaques, pleural effusion or pneumothorax.

Chest wall: The visualized chest wall appears normal.

Upper Abdomen: Apart from the several foci of calcification in the left lobe, the visualized liver appears normal. The remainder of the visualised upper abdomen appears normal.

#### IMPRESSION:

Severe coronary artery calcification. Blooming artefact makes assessment of the degree of stenoses difficult within the calcified regions. There appears to be a mild focal stenosis of the origin of the LCx coronary artery due to soft plaque.

Thank you for referring this patient.

Electronically Signed by: Dr CAPTAIN MARVEL

Co-Read by: DR DARTH VADER

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