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Mr Paul Rosee

DOB: 03 September 1943
Patient ID: HDE413Z

Visit Number: 17335276

Service Date: 06 June 2025 13:10

Copies To:

Dr Roger Molesworth Dr Levi Bassin

Visit Description: CT ANGIOGRAM TAVI

# CT ANGIOGRAM - TAVI ASSESSMENT FOR FEMORAL APPROACH

History: TAVI planning study

**Technique**: Arterial phase volume acquisition, with multiplanar reconstructions.

## Findings:

The technical quality is excellent with all vessels visualised to the base of the heart.

The following access vessel minimum diameters have been obtained:

Site	Diameters (mm)
Ascending aorta	34
Arch	24
Descending aorta	26
Mid-abdominal aorta	21
Left common iliac artery	11
Right common iliac artery	10
Left external iliac artery	9
Right external iliac artery	8
Left common femoral artery	9
Right common femoral artery	9

## **OTHER FINDINGS:**

## Aorto-iliac tortuosity:

Mild to moderately tortuous descending aorta and abdominal aorta. Mildly tortuous bilateral iliac arteries.

## Notable plaques:

Bilateral common femoral arteries: Nonstenotic/minimally stenotic calcific plaque noted along the posterior walls of bilateral common femoral arteries.

Bilateral common iliac arteries: Scattered nonstenotic/minimally stenotic calcific plaque noted in posterior and medial walls.

### Aortic arch branches:

Conventional three-vessel arch of aorta. Minimally stenotic/nonstenotic calcific plaque noted at the ostia/proximal segment of the great vessels arising from the arch of aorta.

## Major visceral branches of abdominal aorta:

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Coeliac artery: Up to 50% stenosis due to calcific plaque at the ostium with likely post stenotic dilatation and further scattered nonstenotic/minimally stenotic calcific plaque in mid and distal segments.

SMA: Scattered calcific and noncalcific plaque throughout with less than 50% luminal encroachment.

Right main renal artery: Mixed calcific and noncalcific plaque in the proximal segment with up to 50% luminal encroachment.

Left main renal artery: Predominantly calcific plaque at the ostium and proximal segment with less than 50% luminal encroachment.

### Chest:

Bilateral calcified pleural plaques in keeping with prior asbestos exposure. Small 4 mm pulmonary nodule noted posterolaterally in the right lower lobe, similar to the prior CT of 9/10/2023.

## **Abdomen and Pelvis:**

Small fat-containing midline epigastric anterior abdominal wall hernia. Few small bilateral renal cysts, up to 13 mm in diameter. No free fluid or free gas. Prostatomegaly. No bowel obstruction.

## Thoraco-lumbar spine and bony pelvis:

Spondylotic changes in thoracic and lumbar spine. No destructive bone lesion.

#### COMMENT:

Aorto-iliac measurements are as given.

Reported by: Dr Saurabh Khandelwal

CT Calcium scoring available at PRP Gosford