



Department of Radiology & Imaging

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Printed Date: 18/01/2025 11:39:44

Patient Name: Mr. B. A. SIVARAMAKRISHNAN **MRD#:** 62124

Date of Birth: 16/03/1948

Sex: Male

Visit Code: IP0009

Created Date: 15/01/2025

Referred By:

Dr. JAVADEKAR NARENDRA

MR PERIPHERAL ANGIOGRAPHY

MR angiogram of the lower limbs was done using contrast .MIP reformations were also obtained.

Clinical profile : C/O constant pain in foot. Dressing changed today. Slight pus from 4th toe wound. Very painful till midfoot.

- Aorta shows calcified atherosclerotic plaques causing 10 - 20 % luminal narrowing, predominantly in infrarenal segment.
- Approx. 90-95% stenosis is noted involving right common iliac artery proximally close to its origin, for a length of 1.5 cm. Concentric atherosclerotic plaques are seen in rest of right and entire left common iliac arteries causing 30-40% luminal narrowing
- Complete non opacification of right internal iliac artery from its origin for a length of 6-7 mm- likely occluded. Faint distal patchy reformation.
- Short segment near complete occlusion is noted approx. 5-6 mm from origin of left internal iliac artery, for a length of 3-4 mm. Rest of the artery shows good reformation.
- Bilateral external iliac arteries show concentric calcified atherosclerotic plaques causing 40-50% luminal narrowing, however show normal opacification on MR angiogram.

RIGHT LOWER LIMB -

- Common femoral artery - Calcified plaques causing upto 80-90 % stenosis in distal segment for a short segment of 1.5 cm, approx. 1.6 cm from its bifurcation. Rest of the artery shows concentric calcified atherosclerotic changes causing 20-30 % luminal narrowing and normal opacification on MR angiogram.
- Profunda femoris and Superficial femoral artery - show moderate atherocalcific changes causing 40-50% luminal narrowing, however show normal opacification on MR angiogram.
- Popliteal artery- Extensive calcified atherosclerotic changes causing 70-80% luminal narrowing with normal opacification on MR angiogram.
- Tibioperoneal trunk- Extensive calcified atherosclerotic changes causing 80-90% luminal narrowing with normal opacification on MR angiogram.

Extensive calcified atherosclerotic changes are noted causing 80-90% luminal narrowing is seen in all leg arteries-

- Anterior tibial artery- Proximal segment shows good opacification with areas of tandem stenosis. Faint opacification of the artery with multiple areas of tandem stenosis is seen in mid segment with non opacification of artery distal most leg. Faint reformation of artery is seen in distal most leg upto ankle by collaterals.
- Posterior tibial artery- Faint opacification of proximal and mid segments with areas of tandem stenosis. Distal segment shows non opacification with few areas of patchy reformation. PTA in foot shows faint reformation upto forefoot. Non opacification of rest of the PTA.
- Peroneal artery- Patchy opacification of proximal and mid segments with areas of tandem stenosis. Non opacification in its distal segment.
- Dorsalis pedis artery- Poor opacification upto forefoot. Rest of the artery shows non opacification in visualised images.

LEFT LOWER LIMB -

- Common femoral artery - shows concentric calcified atherosclerotic changes causing 30-40 % luminal narrowing and normal opacification on MR angiogram.
- Profunda femoris and Superficial femoral artery - show moderate atherocalcific changes causing 40-50% luminal narrowing, however show normal opacification on MR angiogram.
- Popliteal artery- Extensive calcified atherosclerotic changes causing 70-80% luminal narrowing with normal opacification on MR angiogram.
- Tibioperoneal trunk- Extensive calcified atherosclerotic changes causing 90-95 % luminal narrowing with patchy opacification and few areas of tandem stenosis.

Extensive calcified atherosclerotic changes are noted causing 80-90% luminal narrowing is seen in all leg arteries-

- Anterior tibial artery- Non opacification of a short segment measuring 1.3 cm in its proximal segment from origin. Patchy reformation of proximal and mid segment of the artery with multiple areas of tandem stenosis. Non -opacification of distal segment with faint reformation of distal most segment at ankle.
- Posterior tibial artery- Opacification of artery with multiple areas of tandem stenosis upto just above medial malleolus. Rest of artery in distal most leg and foot is non opacified.
- Peroneal artery- Opacification in proximal and mid segments with areas of tandem stenosis and non opacification of its distal segment.
- Dorsalis pedis artery- Poor opacification upto forefoot. Rest of the artery shows non opacification in visualised images.

IMPRESSION:

- Aorta shows calcified atherosclerotic plaques causing 10 - 20 % luminal narrowing, predominantly in infrarenal segment. No thrombosis/ floating component.
- Approx. 90-95% stenosis involving right common iliac artery proximally close to its origin.
- Moderate concentric atherosclerotic changes in rest of right and entire left common iliac arteries.
- Complete occlusion of right internal iliac artery from its origin with faint distal patchy reformation.
- Short segment near complete occlusion of left internal iliac artery from origin with good distal reformation.
- Moderate concentric atherosclerotic changes in bilateral external iliac arteries as described.

RIGHT LOWER LIMB -

- Short segment 80-90 % stenosis in distal segment of common femoral artery. Mild concentric calcified

atherosclerotic changes in rest of the artery.

- Tandem extensive 80-90% luminal narrowing involving all leg arteries.
- Multiple areas of tandem stenosis, good opacification of proximal segment, faint opacification of mid segment of ATA with non opacification of artery in distal most leg. Faint reformation in distal most leg upto ankle by collaterals.
- Faint opacification of proximal and mid segments of PTA with areas of tandem stenosis. Distal segment with few areas of patchy reformation. Faint reformation of PTA in foot upto forefoot. Non opacification of rest of the PTA.
- Patchy opacification of proximal and mid segments of peroneal artery with areas of tandem stenosis. Non opacification of its distal segment.
- Poor opacification of dorsalis pedis artery upto forefoot. Non opacification of rest of the artery.

LEFT LOWER LIMB -

- Extensive calcified atherosclerotic changes in popliteal artery with normal opacification on MR angiogram.
- Extensive calcified atherosclerotic changes tibioperoneal trunk with patchy opacification and few areas of tandem stenosis.
- Tandem extensive 80-90% luminal narrowing involving all leg arteries.
- Non opacification of a short segment of proximal segment of ATA form origin. Patchy reformation of proximal and mid segments with multiple areas of tandem stenosis. Non -opacification of distal segment with faint reformation of distal most segment at ankle.
- Multiple areas of tandem stenosis in PTA upto just above medial malleolus. Non opacification of rest of artery in distal most leg and foot.
- Areas of tandem stenosis in proximal and mid segments of peroneal artery with non opacification of its distal segment.
- Poor opacification of dorsalis pedis artery upto forefoot. Non opacification of rest of the artery.



Signed By: DR. DESHMUKH SONALI