

Patient Name	: Mr. ANANT RAM	Visit No	: CHA250038787
Age/Gender	: 46 Y/M	Registration ON	: 04/Mar/2025 10:47AM
Lab No	: 10136082	Sample Collected ON	: 04/Mar/2025 10:47AM
Referred By	: Dr. ESIC HOSPITAL LUCKNOW	Sample Received ON	:
Refer Lab/Hosp	: ESIC HOSPITAL LUCKNOW	Report Generated ON	: 04/Mar/2025 12:32PM

**COLOUR DOPPLER STUDY OF LEFT LOWER LIMB VEINS AND ARTERIES**

**VENOUS:**

- Left common femoral, superficial femoral, popliteal and visualized parts of left tibial veins and reveal clear lumen and normal colour flow with normal phasicity, compressibility and augmentation response.
- *Left tibial veins could not be evaluated in complete extent.*
- There is no obvious reversal of flow across left sapheno-femoral junction on valsalva maneuver.
- Left great saphenous vein appears prominent throughout its entire course, measuring approx. 6.9mm in maximum calibre in thigh region.
- Few varicosities are seen in anteromedial & posteromedial aspects of left legs along GSV territory also extending upto posterior calf regions and showing communication with short saphenous vein at places - possibility of vein of Giacomini. The varicosities are also showing extension across tibial shin onto antero-lateral aspect of leg.
- A perforator of size 2.4mm is seen in antero-medial aspect of left thigh along GSV territory approx. 6cm above knee joint.
- A perforator of size 3.6mm is seen in antero-medial aspect of left leg along GSV territory approx. 6cm below knee joint.
- A perforator of size 3.3mm is seen in antero-medial aspect of left leg along GSV territory approx. 7cm below knee joint.
- A perforator of size 2.7mm is seen in antero-medial aspect of left leg along GSV territory approx. 7cm above medial malleolus.
- A perforator of size 4.4mm is seen in antero-medial aspect of left leg along GSV territory approx. 4cm above medial malleolus.
- A perforator of size 2.8mm is seen in antero-lateral aspect of left leg along GSV territory approx. 4cm below knee joint.
- *Left sapheno-popliteal junctions could not be very well evaluated.*



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**ARTERIAL:**

- Diffuse atherosclerotic changes are seen in visualized parts of left lower limb arteries causing mild luminal narrowing without obvious significant hemodynamic changes.

**Colour Doppler study shows following indices**

	FLOW VELOCITY LEFT	WAVE PATTERN
Common femoral artery	116 cm/sec	Triphasic
Superficial femoral artery	103 cm/sec	Triphasic
Popliteal artery	83 cm/sec	Triphasic
Anterior tibial artery	67 cm/sec	Triphasic
Posterior tibial artery	50 cm/sec	Triphasic
Dorsal pedis artery	35 cm/sec	Triphasic

**IMPRESSION:**

- VARICOSITIES AND PERFORATORS AS DESCRIBED ABOVE.
- NO EVIDENCE OF DEEP VEIN THROMBOSIS IN VISUALIZED VEINS.
- DIFFUSE ATHEROSCLEROTIC CHANGES IN LEFT LOWER LIMB ARTERIES CAUSING MILD LUMINAL NARROWING WITHOUT OBVIOUS SIGNIFICANT HEMODYNAMIC CHANGES.

Clinical correlation is necessary.

[DR. JAYENDRA KR. ARYA, MD]

\*\*\* End Of Report \*\*\*

