

Patient Name	: Mr. RAJNEESH SARSWAT	Visit No	: CHA250033817
Age/Gender	: 55 Y/M	Registration ON	: 25/Feb/2025 10:49AM
Lab No	: 10131113	Sample Collected ON	: 25/Feb/2025 10:49AM
Referred By	: Dr. KGMU	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 25/Feb/2025 03:50PM

COLOUR DOPPLER STUDY OF RIGHT LOWER LIMB VEINS AND ARTERIES

VENOUS:

- Visualized parts of right common femoral and superficial femoral veins reveal clear lumen and normal colour flow with normal phasicity, compressibility and augmentation response.
- *Mid & distal segments of right superficial femoral vein could not be assessed due to edema and overlying bulky soft tissue.*
- *Right anterior and posterior tibial veins could not be very well evaluated in complete extent.*
- There is no obvious reversal of color flow across right sapheno-femoral junctions on valsalva maneuver.
- *Right sapheno popliteal junctions could not be very well evaluated.*
- **Diffuse subcutaneous edema is seen in right lower limb, predominantly in distal leg and foot regions.**
- **Visualized parts of lower limb muscles appear bulky and show heterogeneous echotexture with few ill-defined heterogeneously hypoechoic areas - ?nature.**

ARTERIAL:

- **Diffuse atherosclerotic changes are seen involving visualized parts of right lower limb arteries causing mild to moderate luminal narrowing with maintained color flow.**
- *Mid & distal segments of right superficial femoral artery could not be assessed due to edema and overlying bulky soft tissue.*
- **Visualized parts of right common femoral, superficial femoral, popliteal, anterior tibial, posterior tibial and dorsalis pedis arteries show biphasic spectral waveform.**

Colour Doppler study shows following indices-

	FLOW VELOCITY RIGHT	WAVE PATTERN
Common femoral artery	105 cm/sec	Triphasic
Superficial femoral artery	138 cm/sec	Triphasic
Popliteal artery	83 cm/sec	Triphasic
Anterior tibial artery	48cm/sec	Triphasic
Posterior tibial artery	52 cm/sec	Triphasic
Dorsal paedis artery	28 cm/sec	Triphasic



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IMPRESSION:

- **NO EVIDENCE OF DEEP VEIN THROMBOSIS IN VISUALIZED VEINS.**
- **DIFFUSE GENERALIZED ATHEROSCLEROTIC CHANGES IN RIGHT LOWER LIMB ARTERIES CAUSING MILD TO MODERATE LUMINAL NARROWING.**
- **HEMODYNAMIC CHANGES AS DESCRIBED ABOVE – ?DUE TO ATHEROSCLEROTIC CHANGES / ??DUE TO EDEMA.**
- **DIFFUSE SUBCUTANEOUS EDEMA IN RIGHT LOWER LIMB, PREDOMINANTLY IN DISTAL LEG AND FOOT REGIONS.**

Clinical correlation is necessary.

Transcribed By: Purvi

[DR. JAYENDRA K. ARYA, MD]

*** End Of Report ***

CHARAK

