

Patient Name	: Mr.GANESH JAISWAL	Visit No	: CHA250043889
Age/Gender	: 52 Y/M	Registration ON	: 11/Mar/2025 01:26PM
Lab No	: 10141184	Sample Collected ON	: 11/Mar/2025 01:26PM
Referred By	: Dr.MED CITY HOSPITAL AND TRAUM	Sample Received ON	:
Refer Lab/Hosp	: CHARAK NA	Report Generated ON	: 11/Mar/2025 02:53PM

COLOUR DOPPLER STUDY OF BILATERAL LOWER LIMB VEINS AND ARTERIES

VENOUS:

- Bilateral common femoral, superficial femoral, popliteal and visualized parts of bilateral tibial veins reveal clear lumen and normal colour flow with normal phasicity, compressibility and augmentation response.
- *Bilateral anterior and posterior tibial veins could not be very well evaluated in complete extent.*
- **There is sustained reversal of color flow across bilateral sapheno-femoral junctions on valsalva maneuver - suggestive of incompetence.**
- *Bilateral sapheno popliteal junctions could not be very well evaluated.*

ARTERIAL:

- Generalized atherosclerotic changes are seen involving visualized parts of bilateral lower limb arteries causing mild to moderate luminal narrowing with maintained color flow.
- Visualized parts of bilateral common femoral, superficial femoral & popliteal arteries show triphasic spectral waveform.
- Visualized parts of bilateral anterior tibial, posterior tibial and dorsalis pedis arteries show biphasic spectral waveform.

Colour Doppler study shows following indices-

	FLOW VELOCITY RIGHT	WAVE PATTERN	FLOW VELOCITY LEFT	WAVE PATTERN
Common femoral artery	101 cm/sec	Triphasic	102 cm/sec	Triphasic
Superficial femoral artery	101 cm/sec	Triphasic	103 cm/sec	Triphasic
Popliteal artery	89 cm/sec	Triphasic	88 cm/sec	Triphasic
Anterior tibial artery	64 cm/sec	Biphasic	71 cm/sec	Biphasic
Posterior tibial artery	70 cm/sec	Biphasic	78 cm/sec	Biphasic
Dorsal paedis artery	41 cm/sec	Biphasic	64 cm/sec	Biphasic



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IMPRESSION:

- NO EVIDENCE OF DEEP VEIN THROMBOSIS IN VISUALIZED VEINS.
- GENERALIZED ATHEROSCLEROTIC CHANGES IN BILATERAL LOWER LIMB ARTERIES CAUSING MILD TO MODERATE LUMINAL NARROWING.
- BIPHASIC SPECTRAL WAVEFORM IN BILATERAL ANTERIOR TIBIAL, POSTERIOR TIBIAL AND DORSALIS PEDIS ARTERIES - ?DUE TO ATHEROSCLEROTIC CHANGES / ??CAUSE.

Clinical correlation is necessary.

Transcribed By: RACHNA

[DR. JAYENDRA K. ARYA, MD]

*** End Of Report ***

CHARAK

