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CMO Reg. No. RMEE 2445133 NABL Reg. No. MC-2491 Certificate No. MIS-2023-0218

Patient Name : Mr.LAXMI SHANKAR Visit No : CHA250036802

 Age/Gender
 : 56 Y/M
 Registration ON
 : 01/Mar/2025 10: 33AM

 Lab No
 : 10134098
 Sample Collected ON
 : 01/Mar/2025 10: 33AM

Referred By : Dr.KGMU Sample Received ON :

Refer Lab/Hosp : CHARAK NA Report Generated ON : 01/Mar/2025 11:58AM

## COLOUR DOPPLER STUDY OF BILATERAL LOWER LIMB ARTERIES

- Diffuse 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, anterior tibial, posterior tibial arteries and right dorsalis pedis artery show triphasic spectral waveform with spectral broadening.
- Visualized part of left dorsalis pedis artery shows biphasic spectral waveform.

## Colour Doppler study shows following indices-

|                         | FLOW VELOCITY<br>RIGHT | WAVE PATTERN  | FLOW VELOCITY<br>LEFT | WAVE<br>PATTERN |
|-------------------------|------------------------|---------------|-----------------------|-----------------|
| Common femoral artery   | 106 cm/sec             | Triphasic     | 115 cm/sec            | Triphasic       |
|                         |                        | with spectral |                       | with            |
|                         |                        | broadening    |                       | spectral        |
|                         |                        | TAY           |                       | broadening      |
| Superficial femoral     | 110 cm/sec             | Triphasic     | 103 cm/sec            | Triphasic       |
| artery                  |                        | with spectral |                       | with            |
|                         |                        | broadening    |                       | spectral        |
| 10                      |                        |               | 7                     | broadening      |
| Popliteal artery        | 84 cm/sec              | Triphasic     | 82 cm/sec             | Triphasic       |
|                         |                        | with spectral |                       | with            |
|                         |                        | broadening    |                       | spectral        |
|                         |                        |               |                       | broadening      |
| Anterior tibial artery  | 70 cm/sec              | Triphasic     | 60 cm/sec             | Triphasic       |
|                         |                        | with spectral |                       | with            |
|                         |                        | broadening    |                       | spectral        |
|                         |                        |               | AIZ                   | broadening      |
| Posterior tibial artery | 60 cm/sec              | Triphasic     | 63 cm/sec             | Triphasic       |
|                         |                        | with spectral |                       | with            |
|                         |                        | broadening    |                       | spectral        |
|                         |                        |               |                       | broadening      |
| Dorsal paedis artery    | 36 cm/sec              | Triphasic     | 37 cm/sec             | Biphasic        |
|                         |                        | with spectral |                       |                 |
|                         |                        | broadening    |                       |                 |

## IMPRESSION:

• DIFFUSE ATHEROSCLEROTIC CHANGES IN VISUALIZED PARTS OF BILATERAL LOWER LIMB ARTERIES CAUSING MILD TO MODERATE LUMINAL NARROWING WITH EARLY HEMODYNAMIC CHANGES AS DESCRIBED.

Clinical correlation is necessary.

[DR. JAYENDRA K. ARYA, MD]





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