

Name : Subhasbhai Vachhani
Age/Sex : 63 Years/M

06/03/2017

RIGHT LOWER LIMB ARTERIAL DOPPLER STUDY:

The study performed on 8640 channels, digital 4D machine (voluson S6). The arterial doppler study of right lower limb is performed with high frequency transducer. The colour flow mapping & spectral analysis performed at all the levels.

FINDINGS:

Generalised atheromatous changes seen involving abdominal aorta and iliac vess. no significant stenosis or block is seen.

There is generalised atheromatous changes involving femoro-popliteal artery without significant stenosis or block.

The flow at abdominal aorta, common iliac, internal & external iliac artery on right side are normal.

The common femoral artery shows normal B-scan & colour and spectral doppler flow. The superior femoral and deep femoral and femoral arteries show normal tri-phasic flow.

The posterior and anterior tibial arteries shows multilevel significant stenosis with beaded appearance and marked flow dampening distally. The dorsalis flow is not traceable.

Velocities recorded at various levels as under::

Distal aorta	---	cm/s
ARTERY	RT	(PSVcm/s)
Common Iliac	---	
External Iliac	---	
Common Femoral	69	
Superficial Femoral	61, 57, 63	
Profunda Femoral		
Popliteal	72	
Anterior Tibial	133	
Posterior Tibial	46	
Dorsalis pedis	---	

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CONCLUSION ::

Generalised atheromatous changes to involve abdominal aorta, ilio-femoral and popliteal vess.

Significant multiple stenosis and severe disease to involve below knee (tibio-peroneal vess) with marked dampened flow distally.

adv :: CT angio LL sos -since pt's abdominal fat hampers optimal abdominal vess evaluation.





