



Arterial Graft Lower Extremity Study Report

ARTERIALLE VIVIDS5
December 18, 2018

MRN: 789654	Study Time: 03:18 PM
Accession/Encounter No: 32156	Reading Group: Reset Reading
Procedure/Order ID: 157243	Reading User: Rob Frederick Hoff
DOB: 1966-01-20	Referring Group: Anytown Family Practice
Age: 52	Referring User: Studycast Referring
Gender: F	Ordering Phys: Dr. Steve John
Race: White	Sonographer: Amanda^Unreal
HR: 80	Location: Vascular Lab
Height: 56 in	Weight: 156 lbs
BP: 140/90 mmHg	BSA: 1.75 m ²
BMI: 34.97	Equipment: Vivid S5
	Clinical History: Rt CFA to Pop bypass; Lt SFA to prox peroneal bypass.

Study Quality: Excellent	Indications: Peripheral arterial disease (PAD)
Complications: Current smoker	Risk Factors: History of CAD/PVD Elevated Cholesterol Level
Diagnosis Code: (I73.9) Peripheral vascular disease, unspecified	Medications: Atorvastatin
	Procedure Code: 93925 Duplex scan of lower extremity arteries or arterial bypass graft; Complete bilateral study 93922 Upr/l xtremity art 2 levels (ABI/WBI)

After informed consent, a complete Arterial Graft Lower Extremity ultrasound was performed.

Right

Left

	Waveform		Waveform
PTA Mid	Monophasic	PTA Mid	Inter;Multi
PTA Dis	Monophasic	PTA Dis	Inter;Multi
ATA Mid	Monophasic	ATA Mid	Inter;Multi
ATA Dis	Monophasic	ATA Dis	Inter;Multi
PER Mid	Monophasic	PER Mid	Inter;Multi
PER Dis	Monophasic	PER Dis	Inter;Multi

Right

ABI

Left

Spectral Waveform	PVR Waveform	Rest (mmHg)		Rest (mmHg)	PVR Waveform	Spectral Waveform
Ante;Low;Mono	Normal	152	Brachial	152	Normal	Ante;Inter;Multi
Ante;Low;Mono	Normal	72	Post Tibial	160	Normal	Ante;Inter;Multi
		60	Dors Pedis	152		
		0.47	ABI	1.05		
		40	Toe Pressure	130		
		0.26	TBI	0.86		

Grafts Info
Graft 1

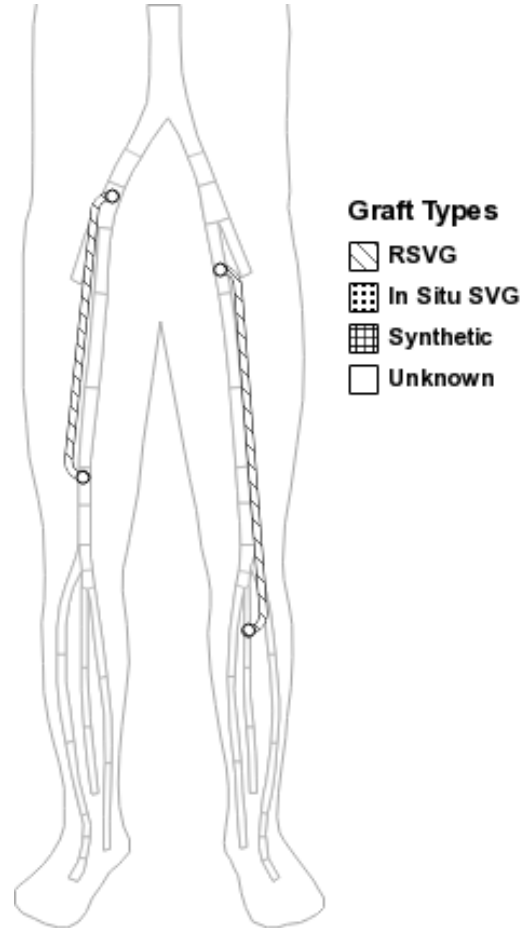
Location from: Right CFA Type: RSVG
 Location to: Right POP Prox Patent: Yes

	Waveform	Ratio	PSV (cm/s)
Inflow	Multiphasic		90.7
Prox Anast	Ante;High;Mono	1.55	140.9
Graft Prox	Ante;High;Mono	1.44	203.2
Graft Mid	Ante;High;Mono	0.33	68
Graft Dist	Ante;High;Mono	0.9	61.2
Dist Anast	Ante;High;Mono	0.65	39.8
Outflow	Ante;High;Mono	1.03	41

Graft 2

Location from: Left SFA Prox Type: RSVG
 Location to: Left PER Prox Patent: Yes

	Waveform	Ratio	PSV (cm/s)
Inflow	Multiphasic		73.3
Prox Anast	Multiphasic	0.69	50.6
Graft Prox	Multiphasic	1.36	68.6
Graft Mid	Multiphasic	1.01	69.3
Graft Dist	Multiphasic	0.84	58.4
Dist Anast	Multiphasic	0.88	51.3
Outflow	Multiphasic	1.22	62.5


Right Findings:

The right lower extremity waveforms demonstrate a monophasic flow pattern. Diffuse plaque in the right mid posterior tibial, distal posterior tibial, mid anterior tibial, distal anterior tibial and mid peroneal arteries. Focal plaque in the right distal peroneal artery.

Left Findings:

The left lower extremity waveforms demonstrate an intermediate-resistant, multiphasic flow pattern. Focal plaque in the left mid posterior tibial artery. No plaque in the left external iliac, common femoral, profunda femoral, superficial femoral, popliteal, proximal posterior tibial, distal posterior tibial, proximal anterior tibial, mid anterior tibial, distal anterior tibial, proximal dorsalis pedis, mid dorsalis pedis, distal dorsalis pedis, proximal peroneal, mid peroneal and distal peroneal arteries.

ABI Findings

The right post tibial spectral waveform demonstrates an antegrade, low-resistant, monophasic flow pattern. The right dors pedis spectral waveform demonstrates an antegrade, low-resistant, monophasic flow pattern. Normal PVR waveforms of the right ankle. The left post tibial spectral waveform demonstrates an antegrade, intermediate-resistant, multiphasic flow pattern. The left dors pedis spectral waveform demonstrates an antegrade, intermediate-resistant, multiphasic flow pattern. Normal PVR waveforms of the left ankle. Severely decreased right resting ABI. Resting ankle brachial index of the left lower extremity is within normal limits. Abnormal right TBI. Normal left TBI.

Conclusions:

Diffuse plaque in the right mid posterior tibial, distal posterior tibial, mid anterior tibial, distal anterior tibial and mid peroneal arteries. Focal plaque in the right distal peroneal artery. Focal plaque in the left mid posterior tibial artery.

November 12, 2020 09:38 AM EST
 CSI Admin Staff
 Electronically Signed on Studycast

Conclusions:

This exam reveals severely decreased perfusion of the right lower extremity, noted at the post tibial artery level (ABI). This exam reveals normal perfusion of the left lower extremity (ABI).
Abnormal right TBI.

Admin C51