

Clinical Measurement Services
UNIVERSITY HOSPITALS OF DERBY & BURTON NHS FOUNDATION TRUST
Vascular Ultrasound Report

ARTERIAL STUDY - LOWER LIMB

Name:		Date of Test:	25/06/2021 03:21:42
Hospital Number:		Test Number:	3124783
Date of Birth:		Technician:	HEUGIL
Ordering Doctor:	Dr Luckni Sellaheewa	Dept/Ward:	Derby OPD

Symptoms and Surgical Procedures

Doppler Pressures

At Rest

Brachial mmHg
Right DP mmHg Left DP mmHg
Right PT mmHg Left PT mmHg

After Exercise

Brachial mmHg
Right DP mmHg Left DP mmHg
Right PT mmHg Left PT mmHg

Arterial Arm Dopplers

Brachial Right : mmHg Left: mmHg
Radial Right: mmHg Left: mmHg
Ulna Right: mmHg Left: mmHg

Clinical presentation: Ulcers on toe for 6-8weeks - these are healing. Newly diagnosed diabetic. Right calf claudication after 10mins of walking, this resolves after a short rest (<1min). Non-smoker.

Right lower limb:

CFA: Patent with moderate calcified atheroma seen, triphasic waveforms, PSV 1.04m/s.
PFA: Patent at origin with no significant arterial disease seen proximally, triphasic waveforms, PSV 0.77m/s.
SFA: Patent but with calcified vessel walls throughout. No significant arterial disease seen. Triphasic waveforms throughout, PSVs: proximal 0.67m/s, mid 0.58m/s, distal 0.69m/s. The vessel is patent throughout the adductor canal.

POPA: The very proximal vessel is patent but with damped monophasic waveforms, PSV 0.15m/s. **Vessel occludes distal to this with no flow seen using Colour, Power or Spectral Doppler.**
TPT: **Appears to be occluded.**

Crural arteries:

PTA: Flow appears to reform just distal to vessel origin, the vessel is then patent throughout but mildly calcified with no significant disease seen. Damped monophasic waveforms throughout, distal PSV 0.40m/s.
ATA: Flow reforms in the proximal vessel via a collateral, vessel is moderately calcified throughout. **There is a >75% stenosis in the mid vessel with velocities increasing from PSV 0.11m/s to PSV 0.84m/s.** The distal vessel is patent with damped monophasic waveforms, PSV 0.19m/s.
PEROA: **The proximal-distal vessel appears to be occluded and heavily calcified.** Flow reforms at the ankle where damped monophasic waveforms, PSV 0.19m/s are noted.

Summary: Occluded POPA and TPT. >75% ATA stenosis. Occluded proximal-distal PERA.

Reporter: Miss Heulwen Gilbert