

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	23/07/2021 11:48:09
Hospital Number:	Test Number:	3158848
Date of Birth:	Technician:	HEUGIL
Ordering Doctor:	Mr K Abayasekara	Dept/Ward: Derby OPD

Symptoms and Surgical Procedures

Claudicant and diabetic

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: Claudication in calf after ~50yards. Pain in feet, but not at night. Ex-smoker. Diabetic (16yrs).
Medications: Insulin, Clopidogrel, Atorvastatin.

*Patient noted to have an irregular heart rate.

Aorto-iliac segment:

Aorta: Aneurysmal, measuring 3.45cm in maximum dimensions (outer-to-outer wall). Patent with mild calcified disease, no significant stenosis seen. Triphasic waveforms, PSV 0.96m/s.
Right CIA: Vessel origin is patent with no significant stenosis seen. Triphasic waveforms, PSV 0.59m/s. The distal vessel was obscured by bowel gas.
Right EIA: The proximal vessel was obscured by bowel gas. The mid-distal vessel is patent with no significant stenosis seen. Biphasic waveforms, PSV 0.92m/s.

Right lower limb:

*All vessel walls are calcified throughout.

CFA: Patent with no significant arterial disease seen, triphasic waveforms, PSV 0.84m/s.
PFA: Patent at origin with no significant arterial disease seen proximally, biphasic waveforms, PSV 1.11m/s.
SFA: Patent. No significant arterial disease seen. Triphasic waveforms throughout, PSVs: proximal 0.71m/s, mid 0.62m/s, distal 0.48m/s. The vessel is patent throughout the adductor canal.

POPA: The proximal-mid vessel is patent with mild calcified disease, but no significant arterial disease seen. Damped monophasic waveforms, PSV 0.41m/s. **The distal vessel is occluded with no flow seen using Power, Spectral or Colour Doppler.**
TPT: **Occluded.**

Crural arteries:

PTA: **Appears to be occluded along length.**
ATA: Heavily calcified with intermittent colour-filling noted throughout. However, where seen vessel appears patent throughout with damped monophasic waveforms, PSV 0.41m/s.
PEROA: **Appears to be occluded along length.**

Summary: Distal POPA and TPT occlusion. PTA and PEROA occlusion.

Name:		Date of Test:	23/07/2021 11:48:09
Hospital Number:		Test Number:	3158848
Date of Birth:		Technician:	HEUGIL
Ordering Doctor:	Mr K Abayasekara	Dept/Ward:	Derby OPD

Reporter: Miss Heulwen Gilbert