

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	06/07/2021 12:05:09
Hospital Number:	Test Number:	3136255
Date of Birth:	Technician:	HEUGIL
Ordering Doctor: Mr Sanjay Singh	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: No claudication or rest pain. Non-healing ulcer on left foot for ~2years. Smoker (10/day). Not diabetic.

**Aorto-iliac segment:**

AORTA: **Appears to be aneurysmal** measuring 3.2cm in maximum dimensions. Unable to obtain spectral waveforms due to inference from bowel gas, however vessel does appear patent.  
The left common and external iliac arteries could not be scanned, due to colostomy bag.

**Left Lower Limb:**

\*Heavy calcification noted throughout.

CFA: **Appears to be aneurysmal (1.6cm in diameter ), but occluded throughout its length.**

PFA: Could not be visualised.

SFA: **Appears to be occluded along length. The vessel appears to be occluded through the adductor canal.**

POPA: Flow appears to reform proximally with damped low velocity monophasic waveforms, PSV 0.05m/s. **<75% stenosis identified in the mid vessel with velocities increasing from PSV 0.07m/s to PSV 0.75m/s.** The distal vessel is patent with damped low-velocity monophasic waveforms, PSV 0.17m/s.

TPT: Appears patent with no significant arterial disease seen. Damped monophasic waveforms, PSV 0.27m/s.

**Crural arteries:**

PTA: The proximal vessel is patent but calcified with damped monophasic waveforms, PSV 0.31m/s. **Vessel occludes in the mid calf and remains occluded at the ankle.**

ATA: The proximal vessel is patent with damped monophasic waveforms, PSV 0.24m/s. **Short section of the vessel in the mid calf appears to be occluded.** The distal vessel is patent but heavily calcified with damped monophasic waveforms, PSV 0.64m/s.

PEROA: Poorly visualised throughout, however where seen is calcified but patent with damped monophasic waveforms, distal PSV 0.46m/s.

**Summary: Aneurysmal Aorta. CFA- distal SFA occlusion. >75% POPA stenosis. Significant calf vessel disease.**