

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	21/06/2021 03:31:24
Hospital Number:	Test Number:	3118480
Date of Birth:	Technician:	HEUGIL
Ordering Doctor: Dr Rudrappa	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: Diabetic. No claudication or rest pain. Ulcer on heel for ~2 weeks. Non-smoker.

**Left lower limb:**

CFA: Patent and mildly calcified with no significant arterial disease seen, triphasic waveforms, PSV 1.18m/s.

PFA: Patent at origin with no significant arterial disease seen proximally.

SFA: **There is a ~50-74% stenosis in the proximal vessel with velocities increasing from PSV 1.96-4.92m/s. Total length of stenosis is ~0.9cm.** The mid-distal vessel is patent but mildly calcified with triphasic waveforms, PSV 0.69m/s (mid) and 0.89m/s (distal). The vessel is patent throughout the adductor canal.

POPA: Patent but mildly calcified. No significant arterial disease seen. Triphasic waveforms, PSVs: proximal 1.02m/s, distal 0.78m/s.

TPT: Mildly calcified but patent with no significant arterial disease seen. Slightly increased velocity triphasic waveforms, PSV 1.3m/s.

**Crural arteries:**

PTA: The proximal-mid vessel is mildly calcified but patent with biphasic waveforms. Vessel appears to be occluded at the ankle, with a large collateral noted in the distal calf.

ATA: Mildly calcified along length but patent with biphasic waveforms throughout, distal PSV, 0.53m/s.

PEROA: Mildly calcified along length but patent with biphasic waveforms throughout, distal PSV, 0.44m/s.

**Summary:**

**50-74% proximal SFA stenosis. Occluded distal PTA and calf vessel calcification.**

Reporter: Miss Heulwen Gilbert