

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

ARTERIAL STUDY - LOWER LIMB

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Name:	Date of Test:	30/06/2021 03:51:39
Hospital Number:	Test Number:	3130443
Date of Birth:	Technician:	HEUGIL
Ordering Doctor:	DR DAVID SIMON HUGHES	Dept/Ward: 310 (Uro)

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**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

*\*Ward scan*

**Right lower limb:**

\*Heavily calcified vessels throughout.

CFA: Moderate diffuse calcified atheroma seen throughout the vessel, slightly raised velocity triphasic waveforms, PSV 1.99m/s.

PFA: Patent but calcified at origin with no significant arterial disease seen proximally, triphasic waveforms, PSV 1.34m/s.

SFA: The proximal-mid vessel is patent with no obvious focal stenosis identified, however moderate diffuse calcified disease seen throughout the vessel, ?contributing to elevated velocities. Pulsatile monophasic waveforms, PSVs: proximal 1.70m/s, mid 1.29 and 1.92m/s. Areas of ultrasound drop-out seen in the distal vessel, distal to this turbulent monophasic waveforms are identified, PSV 2.25m/s - unable to exclude significant stenosis in this region. The very distal vessel is patent with moderate calcified disease, pulsatile monophasic waveforms, PSV 1.97m/s. Vessel is patent through the adductor canal.

POPA: Patent. No significant arterial disease seen. Slightly damped monophasic waveforms, PSVs: proximal 1.27m/s, distal 0.69m/s.

TPT: Unable to visualise due to patient positioning.

**Crural arteries**

\*Patient had bandages on his calf - unable to find available nurse at the time to take them down, so only the proximal vessels were visualised.

PTA: The proximal vessel is heavily calcified but patent with pulsatile monophasic waveforms, PSV 1.14m/s.

ATA: The proximal vessel is heavily calcified but patent with pulsatile monophasic waveforms, PSV 1.56m/s.

PEROA: The proximal vessel is heavy calcified but patent with damped monophasic waveforms, PSV 0.56m/s.

**Summary: Heavily calcified disease seen throughout all vessels. Unable to exclude a distal SFA stenosis due to ultrasound dropout.**

Reporter: Miss Heulwen Gilbert