

**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:	06/07/2021 03:24:32
Hospital Number:	Test Number:	3136910
Date of Birth:	Technician:	HEUGIL
Ordering Doctor: Mr A Hassouna	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

**Right lower limb:**

\*Vessels are heavily calcified throughout\*

CFA: Patent with no significant arterial disease seen, biphasic waveforms, PSV 0.75m/s.

PFA: Patent at origin with no significant arterial disease seen proximally, biphasic waveforms, PSV 0.65m/s.

SFA: Patent along length. No significant arterial disease seen. Triphasic waveforms proximally, PSVs 0.61m/s. Pulsatile monophasic waveforms in the mid-distal vessel, PSV 0.64m/s (mid) and PSV 0.66m/s (distal). The vessel is patent throughout the adductor canal.

POPA: Patent. No significant arterial disease seen. Pulsatile monophasic waveforms, PSVs: proximal 0.59m/s, distal 0.70m/s.

TPT: Patent with no significant arterial disease seen. Pulsatile monophasic waveforms, PSV 0.40m/s.

**Crural arteries:**

PTA: The proximal vessel is heavily calcified but patent with pulsatile monophasic waveforms, PSV 0.40m/s. **The mid vessel is occluded for a short section.** Flow reforms in the mid calf via a collateral, damped monophasic waveforms identified at the ankle, PSV 0.59m/s.

ATA: Origin is patent for a short section. **Vessel occludes in the proximal calf and remains occluded to the ankle.**

PEROA: **The proximal vessel is occluded.** The mid-distal vessel was not visualised ?occluded. Vessel is heavily calcified but patent at the ankle with damped monophasic waveforms, PSV 0.33m/s.

**Summary: No evidence of significant proximal right lower limb arterial disease. Occlusive calf vessel disease.**

Reporter: Miss Heulwen Gilbert