

**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:	23/06/2021 02:33:59
Hospital Number:		Test Number:	3121618
Date of Birth:		Technician:	HEUGIL
Ordering Doctor:	Miss Greta Saggiu	Dept/Ward:	Derby OPD

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**Symptoms and Surgical Procedures**

Assess below knee popliteal and crural vessels.

**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

Limited scan requested.

**Right lower limb:**

POPA: The proximal popliteal artery is aneurysmal measuring >2.4cm in diameter (exact measurements difficult to obtain due to aneurysm shape). Mural thrombus identified within the AAA lumen, forming a <50% reduction in luminal diameter. The mid popliteal artery appears of large but uniform calibre, measuring 1.2cm (LS), and is patent with slightly damped triphasic waveforms, PSV 0.36m/s. The distal vessel patent and of normal and uniform calibre, measuring 0.8cm (LS), triphasic waveforms, PSV 0.53m/s.

TPT: Patent with no significant arterial disease seen. Triphasic waveforms, PSV 0.33m/s.

**Crural arteries**

PTA: Patent throughout with some mild calcification of the vessel walls seen distally, but no significant disease seen. Triphasic/hyperaemic waveforms throughout, distal PSV 0.53m/s.

ATA: The proximal vessel is patent with hyperaemic waveforms. There is a ~50-74 stenosis in the mid vessel with velocities increasing from PSV 0.95m/s to 3.12m/s. The distal vessel is patent with hyperaemic waveforms, PSV 0.82m/s.

PEROA: Patent throughout with no significant disease seen. Triphasic waveforms throughout, distal PSV 0.62m/s.

Reporter: Miss Heulwen Gilbert