

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	04/08/2021 12:00:12
Hospital Number:	Test Number:	3173158
Date of Birth:	Technician:	HEUGIL
Ordering Doctor:	Mohamed Bakhit	Dept/Ward: 310 (Uro)

**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

\*Challenging assessment due to patient twitching during scan and immobility.  
Iliac vessels not scanned due to patient positioning.

Clinical History: Not diabetic. Complains of 'sensations' in legs.

**Right lower limb**

CFA: Patent with no significant arterial disease seen, biphasic waveforms, PSV 1.77m/s.  
PFA: Patent at origin with no significant arterial disease seen proximally.  
SFA: Patent throughout with no significant arterial disease seen. Triphasic waveforms throughout, PSV's proximal 1.54m/s, mid 1.80m/s, distal 1.68m/s. The vessel could not be clearly visualised through the adductor canal due to patient positioning.  
POPA: Patent throughout with no significant arterial disease seen. Pulsatile mono/triphasic waveforms, PSVs: proximal 0.85m/s, distal 1.10m/s.  
TPT: Patent with no significant arterial disease seen. Pulsatile monophasic waveforms, PSV 1.0m/s.

**Crural arteries**

PTA: Patent at the ankle with pulsatile monophasic waveforms PSV 1.28m/s.  
ATA: Patent at the ankle with triphasic waveforms PSV 0.85m/s.  
PEROA: Patent at the ankle with triphasic waveforms PSV 0.59m/s.

**Left lower limb**

CFA: Patent with no significant arterial disease seen, but raised velocity triphasic waveforms to PSV 2.48m/s noted ? more proximal disease.  
PFA: Patent at origin with no significant arterial disease seen proximally.  
SFA: Patent throughout with no significant arterial disease seen. Bi/triphasic waveforms throughout, PSV's proximal 1.42m/s, mid 1.28m/s, distal 1.43m/s. The vessel could not be clearly visualised through the adductor canal due to patient positioning.  
POPA: The proximal vessel could not be visualised due to patient positioning. The mid-distal vessel is patent with pulsatile monophasic waveforms, PSV 0.88m/s.  
TPT: Patent with no significant arterial disease seen. Pulsatile monophasic waveforms, PSV 1.06m/s.

**Crural arteries**

PTA: Patent at the ankle with pulsatile monophasic waveforms PSV 1.0m/s.  
ATA: Patent at the ankle with pulsatile monophasic waveforms PSV 1.32m/s.  
PEROA: Patent at the ankle with triphasic waveforms PSV 0.69m/s.

Name:		Date of Test:	04/08/2021 12:00:12
Hospital Number:		Test Number:	3173158
Date of Birth:		Technician:	HEUGIL
Ordering Doctor:	Mohamed Bakhit	Dept/Ward:	310 (Uro)

**Summary: Slightly raised velocities noted in the left CFA ?more proximal disease. Where seen no obvious evidence of significant right or left lower limb arterial disease.**

Reporter: Miss Heulwen Gilbert