

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	12/07/2021 09:48:22
Hospital Number:	Test Number:	3142779
Date of Birth:	Technician:	HEUGIL
Ordering Doctor: Mr MK Lingam	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: No obvious claudication symptoms. No rest pain. Diabetic (10yrs). Ex-smoker (quit in his 20's).

**Right lower limb:**

CFA: Patent with mild calcified disease, triphasic waveforms, PSV 1.16m/s.  
PFA: Patent at origin with no significant arterial disease seen proximally.  
SFA: Patent. No significant arterial disease seen. Tri/biphasic waveforms throughout, PSVs: proximal 0.86m/s, mid 0.97m/s, distal 0.69m/s. The vessel is patent throughout the adductor canal.  
POPA: Patent. No significant arterial disease seen. Triphasic waveforms, PSVs: proximal 0.59m/s, distal 0.61/s.  
TPT: Patent with no significant arterial disease seen. Triphasic waveforms, PSV 0.72m/s.

**Crural arteries**

PTA: Patent throughout with no significant disease seen. Biphasic waveforms throughout, distal PSV 0.45m/s.  
ATA: Elevated velocities identified in the vessel origin with velocities increasing to PSV 2.95m/s ?due to sharp angle of vessel ?significant stenosis. Unable to obtain a more proximal velocity. The proximal-distal vessel is patent with biphasic waveforms, distal PSV 0.40m/s.  
PEROA: Patent throughout with no significant disease seen. Biphasic waveforms throughout, distal PSV 0.31m/s.

**Left lower limb:**

CFA: Patent with mild calcified disease, biphasic waveforms, PSV 1.04m/s.  
PFA: Patent at origin with no significant arterial disease seen proximally.  
SFA: Patent. No significant arterial disease seen. Tri/biphasic waveforms throughout, PSVs: proximal 1.03m/s, mid 1.11m/s, distal 0.77m/s. The vessel is patent throughout the adductor canal.  
POPA: Patent. No significant arterial disease seen. Biphasic waveforms, PSVs: proximal 0.67m/s, distal 0.51m/s.  
TPT: Patent with no significant arterial disease seen. Biphasic waveforms, PSV 0.60m/s.

**Crural arteries**

PTA: Patent throughout with no significant disease seen. Biphasic waveforms throughout, distal PSV 0.73m/s.  
ATA: Elevated velocities identified in the vessel origin with velocities increasing to PSV 2.69m/s ?due to sharp angle of vessel ?significant stenosis. Unable to obtain a more proximal velocity. The proximal-distal vessel is patent with biphasic waveforms, distal PSV 0.37m/s.  
PEROA: Patent throughout with no significant disease seen. Biphasic waveforms throughout, distal PSV 0.44m/s.

**Summary: No evidence of significant proximal right or left lower limb arterial disease. Possible ATA origin stenoses bilaterally.**

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Reporter: Miss Heulwen Gilbert