

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	30/06/2021 09:52:26
Hospital Number:	Test Number:	3129251
Date of Birth:	Technician:	HEUGIL
Ordering Doctor:	Mr K Abayasekara	Dept/Ward: Derby OPD

Symptoms and Surgical Procedures

Doppler Pressures

At Rest

Brachial 131 mmHg
Right DP mmHg Left DP 53 mmHg
Right PT mmHg Left PT 70 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: Left calf claudication after ~100 yards, shorter if patient walks faster. No rest pain. Smoker (~25/day). Diabetic (3yrs).

Medications: Clopidogrel, Atorvastatin, Bisoprolol, Metformin.

Aorto-iliac segment:

Aorta: Patent with no significant stenosis seen, mildly calcified vessel walls. Normal and uniform calibre throughout. Biphasic waveforms, PSV 1.08m/s.

Left CIA: Patent with mild calcified disease, no significant stenosis seen. Slightly raised velocity biphasic waveforms, however no focal narrowing seen, PSV 2.23m/s.

Left EIA: Patent along length with mild calcified disease, no significant stenosis seen. Biphasic waveforms, PSV 1.66m/s.

Left lower limb:

CFA: Patent with no significant arterial disease seen, triphasic waveforms, PSV 0.99m/s.

PFA: Patent at origin with no significant arterial disease seen proximally, biphasic waveforms, PSV 1.24m/s.

SFA: The proximal vessel is patent with areas of smooth mixed plaque lining the vessel walls, no significant arterial disease seen, high resistant biphasic waveforms, PSV 0.79m/s. **There is a ~4cm section of vessel in the mid thigh which appears to have trickle flow throughout, damped monophasic waveforms, PSV 0.44m/s.** Multiple small collateral vessels are noted. The distal vessel is patent with damped monophasic waveforms, PSV 0.08m/s. The vessel is patent throughout the adductor canal.

POPA: Patent. No significant arterial disease seen. Damped monophasic waveforms, PSVs: proximal 0.23m/s, distal 0.26m/s.

TPT: Patent with no significant arterial disease seen. Damped monophasic waveforms, PSV 0.24m/s.

Crural arteries:

PTA: Patent throughout with no significant disease seen. Damped monophasic waveforms throughout, distal PSV 0.31m/s.

ATA: Patent throughout with no significant disease seen. Damped monophasic waveforms throughout, distal PSV 0.23m/s.

PEROA: Patent throughout with no significant disease seen. Damped monophasic waveforms throughout, distal PSV 0.11m/s.

Resting ABPI is significantly reduced - 0.5

Summary - Trickle flow noted through the mid SFA. Significantly reduced

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Reporter: Miss Heulwen Gilbert