

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	23/06/2021 04:24:07
Hospital Number:	Test Number:	3121924
Date of Birth:	Technician:	HEUGIL
Ordering Doctor: Mr J Quarmby	Dept/Ward:	SAU- level 1

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 rest pain no claudication. Painful ulcer on left foot. Smoker (20/day). Not diabetic.

Aorto-iliac segment:

Aorta: Patent but with irregular calcified atheroma seen throughout, triphasic waveforms, PSV Normal and uniform calibre throughout.

Left CIA: **The proximal vessel is obscured by acoustic shadowing for ~2.2cm, significantly increased velocity, turbulent monophasic waveforms obtained distal to this, indicative of a 50-74% stenosis within the obscured region (velocities - PSV 0.70m/s (aorta), distal to obscured region PSV 2.58m/s).** The distal vessel appears patent.

Left EIA: Patent along length with no significant stenosis seen. Damped monophasic waveforms, PSV 0.29m/s.

Left lower limb:

CFA: The proximal vessel is patent but with moderate calcified atheroma seen throughout, damped monophasic waveforms, PSV 0.39m/s. **The distal vessel appears to be chronically occluded with no flow seen using Colour, Spectral or Power Doppler.**

PFA: Flow appears to reform proximally via a collateral with damped and slightly turbulent monophasic waveforms noted, PSV 0.56m/s.

SFA: **Vessel is chronically occluded along length with no flow seen using Colour, Spectral or Power Doppler. Vessel remains occluded through the adductor canal.**

POPA: **The proximal vessel is occluded.** Flow reforms in the mid vessel via a collateral with damped monophasic waveforms noted, PSV 0.24m/s. The distal vessel is patent but calcified with damped monophasic waveforms, PSV 0.22m/s.

TPT: Patent with no significant arterial disease seen. Damped monophasic waveforms, PSV 0.15m/s.

Crural arteries:

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

ATA: Patent throughout with no significant disease seen. Damped monophasic waveforms throughout, distal PSV 0.17m/s.

PEROA: Patent throughout with no significant disease seen. Damped monophasic waveforms throughout, distal PSV 0.07m/s.

Summary:

50-74% CIA origin stenosis. Chronic distal CFA to mid POPA occlusion.

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Reporter: Miss Heulwen Gilbert