

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

ARTERIAL STUDY - LOWER LIMB

Name:	Date of Test:	03/08/2021 10:08:29
Hospital Number:	Test Number:	3171072
Date of Birth:	Technician:	HEUGIL
Ordering Doctor:	Mr J Quarmby	Dept/Ward: Derby OPD

**Symptoms and Surgical Procedures**

Fem-pop BK bypass 13/04/21

**Doppler Pressures**

**At Rest**

Brachial 178 mmHg  
Right DP 171 mmHg Left DP mmHg  
Right PT 167 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 History: Smoker (1/day). Not diabetic. No rest pain or claudication in right leg, calf claudication in left leg. Fem-pop BK synthetic bypass 13/04/21.

Medications: Clopidogrel, lansoprazole, Atorvastatin.

\*Challenging assessment due to poor tissue resolution.

**Right lower limb**

EIA: The distal vessel was difficult to visualise due to patient habitus and bowel gas. **Where seen vessel appears patent but with pulsatile monophasic waveforms and raised velocities to PSV 2.41m/s ?more proximal stenosis ?diffuse narrowing.**

CFA: **The proximal vessel was poorly visualised due to scarring, but where seen, turbulent monophasic waveforms and raised velocities to PSV 3.35m/s noted, indicative of a significant stenosis.** The distal vessel is patent but with turbulent triphasic waveforms, PSV 1.47m/s.

**Graft**

Proximal Anastomosis (distal CFA): Patent with slightly turbulent triphasic waveforms, PSV 1.64m/s.

Graft Body: The proximal-mid graft is patent with slightly damped monophasic waveforms, PSVs 1.22m/s (proximal) and PSV 0.77m/s (mid). There are slightly raised velocities to 1.55m/s in the distal graft, however no significant stenosis could be visualised ?due to graft angle. **Echolucent region noted surrounding the graft in the mid and distal thigh ? seroma.**

Distal Anastomosis (distal POPA): Patent with pulsatile monophasic waveforms, PSV 1.33m/s.

POPA: Retrograde flow seen in the proximal-mid vessel. The distal vessel is patent with no significant arterial disease seen, slightly damped monophasic waveforms, PSV 0.88m/s.

TPT: Patent with no significant arterial disease seen, pulsatile monophasic waveforms, PSV 0.98m/s.

PTA: Patent at the ankle with pulsatile monophasic waveforms, PSV 0.60m/s.

ATA: Patent at the ankle with pulsatile monophasic waveforms, PSV 0.62m/s.

PEROA: Patent at the ankle with pulsatile monophasic waveforms, PSV 0.47m/s.

ABPI: Right resting ABPI is within normal limits (0.96).

**Summary: Poor images obtained of the distal EIA and CFA however ?significant stenosis in this region due to elevated velocities. Graft appears patent with no obvious evidence of stenosis, however slightly raised velocities noted in the distal graft. Normal ABPI.**

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Review in vasc lab 13/10/21

Reporter: Miss Heulwen Gilbert