**Countess of Chester Hospital** 

NHS Foundation Trust

The Countess of Chester Health Park

Liverpool Road

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Study Description: **US Doppler lower limb arteries Rt** Study Date: **04/04/2023**

**Indication:**

6 week follow-up duplex after Rt CIA stenting 20/02/23, using balloon expandable stent however during catheter exchange the sheath slipped out, Doppler demonstrated satisfactory position and optimal flow d/c at MDT

**Report:**

**RIGHT LOWER LIMB ARTERIAL DUPLEX SCAN**

Aorta – Poorly visualised due to bowel gas, where seen appears patent with biphasic waveforms, PSV 43cm/s.

CIA Stent - Limited view due to overlying dense bowel gas, where seen appears patent with, good monophasic waveforms, PSV range 1112-189cm/s.

EIA - Poor visualisation proximally, however appears patent with good monophasic waveforms, PSV range 312-250cm/s.

CFA – Patent with moderate dense and calcified disease, turbulent, high resistance monophasic waveforms, PSV 246cm/s. These waveforms suggest significant distal disease.

PFA (origin) – Patent with good monophasic waveforms, PSV 116cm/s.

SFA – Patent in the proximal thigh, however severe smooth narrowing noted, with high resistance waveforms, PSV 15cm. ? Pre-occlusive.

The mid SFA appears chronically occluded. Flow appears to reform in the distal SFA via two large collateral branches, with reduced monophasic waveforms, PSV 41cm/s.

POPA – Appears patent along length with reduced monophasic waveforms, PSV 36-37cm/s.

TPT - Patent with reduced monophasic waveforms, PSV 24cm/s. Origins of 3 vessel run off identified.

PTA – Patent at ankle with reduced monophasic waveforms, PSV 21cm/s.

ATA – Patent at ankle with reduced monophasic waveforms, PSV 16cm/s.

PerA – Patent at ankle with reduced monophasic waveforms, PSV 12cm/s.

**Priority:++ Significant or Unexpected Finding ++**

**Reported by:**

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