**Countess of Chester Hospital** 

NHS Foundation Trust

The Countess of Chester Health Park

Liverpool Road

Chester

CH2 1UL

Study Description: **US Doppler carotid artery Both** Study Date: **23/03/2023**

**Indication:**

High Risk TIA clinic pt at 2pm today. Right subacute corona radiata infarct on yesterday’s CT brain. Mechanical AVR

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally, with good biphasic waveforms, PSV 84cm/s.

Common Carotid Artery (CCA): Patent. Intima thickening forming a <30% reduction in diameter.

PSV 58cm/s EDV 10cm/s

Bifurcation: Patent. Smooth mixed plaques, forming a <30% stenosis.

Internal Carotid Artery (ICA): Patent. Smooth mixed plaque identified in the proximal ICA forming a <30% reduction in diameter. The distal ICA appears patent.

PSV 76cm/s EDV 11cm/s

External Carotid Artery (ECA): Patent. No evidence of any plaque morphology

PSV 92cm/s

Vertebral Artery Flow (VA): Patent where seen, with open and orthograde flow.

PSV 27cm/s

**LEFT**

Subclavian artery: Patent proximally, with good biphasic waveforms, PSV 91cm/s.

Common Carotid Artery (CCA): Patent. Intima thickening forming a <30% reduction in diameter.

PSV 73cm/s EDV 13cm/s

Bifurcation: Patent. Smooth mixed plaques, forming a <30% stenosis.

Internal Carotid Artery (ICA): Patent. Smooth mixed plaque identified in the proximal ICA forming a <30% reduction in diameter. The distal ICA appears patent.

PSV 63cm/s EDV 9cm/s

External Carotid Artery (ECA): Patent. No evidence of any plaque morphology

PSV 157cm/s

Vertebral Artery Flow (VA): Patent where seen, with open and orthograde flow.

PSV 38cm/s

**Conclusion**

**No evidence of significant carotid disease bilaterally.**

**Antegrade flow in the right and left V**A.

**Priority:** **++ Routine ++**

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

Final Date & Time: 23/03/2023 15:30:50