**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: **24/04/2023**

**Indication:**

left frontal infarct ? carotid stenosis

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 183cm/s.

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

PSV 61cm/s EDV 18cm/s

Bifurcation: Patent. Mixed plaques, forming a <40% stenosis.

Internal Carotid Artery (ICA): Patent. Dense and calcified plaque identified forming a <40% stenosis in the proximal ICA. The ICA is torturous. The distal ICA appears patent.

PSV 38cm/s EDV 10cm/s

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

PSV 80cm/s

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

PSV 33cm/s

**LEFT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 59cm/s.

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

PSV 61cm/s EDV 18cm/s

Bifurcation: Patent. Mixed plaques, forming a <40% stenosis.

Internal Carotid Artery (ICA): Patent. Mixed plaque identified forming a <40% stenosis in the proximal ICA. The ICA is tortuous. The distal ICA appears patent.

PSV 76cm/s EDV 22cm/s

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

PSV 43cm/s

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

PSV 50cm/s

**Conclusion**

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

**Antegrade flow in the right and left vertebral arteries.**

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

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

Final Date & Time: 24/04/2023 09:27:41