**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: **11/04/2023**

**Indication:**

transient speech disturbance ?TIA

**Report:**

**CAROTID DUPLEX SCAN**

\* Irregular heart rate noted.

**RIGHT**

Subclavian artery: Patent proximally, with good triphasic waveforms, PSV 94cm/s.

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

PSV 68cm/s EDV 13cm/s

Bifurcation: Patent. Mixed plaques, forming a <50% stenosis.

Internal Carotid Artery (ICA): Patent. Mixed plaques, forming a <50% stenosis identified in the proximal ICA. The distal ICA appears patent.

PSV 67cm/s EDV 18cm/s

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

PSV 126cm/s

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

PSV 34cm/s

**LEFT**

Subclavian artery: Patent proximally, with good triphasic waveforms, PSV 151cm/s.

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

PSV 75cm/s EDV 19cm/s

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

Internal Carotid Artery (ICA): Patent. No evidence of any plaque morphology identified in the proximal ICA. The distal ICA appears patent.

PSV 79cm/s EDV 15cm/s

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

PSV 86cm/s

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

PSV 59cm/s

**Conclusion**

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

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

**Irregular heart rate noted.**

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

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

Final Date & Time: 11/04/2023 17:00:10