**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: **12/04/2023**

**Indication:**

transient episodes of RSW - on anticoag

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 87cm/s.

Common Carotid Artery (CCA): The distal CCA is obscured due to acoustic shadowing, where seen it appear patent, with smooth mixed plaques forming a <30% reduction in diameter.

PSV 65cm/s EDV 16cm/s

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

Internal Carotid Artery (ICA): Patent. Dense and calcified plaque is obscuring vessel, no raised velocities suggesting disease is <50%. The ICA is tortuous. The distal ICA appears patent.

PSV 103cm/s EDV 38cm/s

External Carotid Artery (ECA): Patent. Mixed plaques, forming a <40% stenosis

PSV 77cm/s

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

PSV 71cm/s

**LEFT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 129cm/s.

Common Carotid Artery (CCA): Appear patent with smooth mixed plaques forming a <30% reduction in diameter.

PSV 71cm/s EDV 17cm/s

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

Internal Carotid Artery (ICA): Patent. Mixed and dense plaque forming a <40% stenosis . The ICA is tortuous. The distal ICA appears patent.

PSV 101cm/s EDV 37cm/s

External Carotid Artery (ECA): Obscured, where seen appears patent, however unable to exclude significant disease.

PSV 108cm/s

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

PSV 37cm/s

**Conclusion**

**Unable to exclude significant disease in the left ECA, otherwise no evidence of significant carotid disease on the right or left side.**

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

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

**Reported by:**

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Clinical Vascular Scientist

Countess Of Chester Nhs Trust

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