**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: **21/03/2023**

**Indication:**

left facial droop dysarthria smoker

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with good triphasic waveforms, PSV 73cm/s.

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

PSV 62cm/s EDV 17cm/s

Bifurcation: Patent. Minimal mixed plaques, forming a <20% stenosis.

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

PSV 61cm/s EDV 10cm/s

External Carotid Artery (ECA): Patent. Mixed plaque forming a <30% stenosis.

PSV 124cm/s

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

PSV 21cm/s

**LEFT**

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

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

PSV 62cm/s EDV 17cm/s

Bifurcation: Patent. Mixed and dense plaques, forming a <30% stenosis.

Internal Carotid Artery (ICA): Patent. Smooth mixed plaques forming a <40% reduction in diameter. The distal ICA appears patent.

PSV 71cm/s EDV 16cm/s

External Carotid Artery (ECA): Patent. Mixed plaque forming a <30% stenosis.

PSV 100cm/s

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

PSV 63cm/s

**Conclusion**

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

**VA flow is antegrade bilaterally.**

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

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

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