**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: **19/04/2023**

**Indication:**

Left sided numbness. ? Carotid stenosis

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 74cm/s.

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

PSV 53cm/s EDV 13cm/s

Bifurcation: Patent. Smooth mixed plaques forming a <30% reduction in diameter.

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

PSV 68cm/s EDV 22cm/s

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

PSV 48cm/s

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

PSV 45cm/s

**LEFT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 68cm/s.

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

PSV 72cm/s EDV 15cm/s

Bifurcation: Patent. Dense and mixed plaques forming a <40% reduction in diameter.

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

PSV 81cm/s EDV 23cm/s

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

PSV 52cm/s

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

PSV 43cm/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

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