**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: **22/03/2023**

**Indication:**

left hand numbness and weakness - ? right hemispheric TIA - please may we have a US doppler to look for ICA stenosis - many thanks

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 71cm/s.

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

PSV 58cm/s EDV 13cm/s

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

Internal Carotid Artery (ICA): Patent. Mixed plaque forming a <30% reduced in lumen diameter. The ICA is tortuous. The distal ICA appears patent.

PSV 54cm/s EDV 19cm/s

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

PSV 51cm/s

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

PSV 47m/s

**LEFT**

Subclavian artery: Patent proximally with good triphasic waveforms, PSV 98cm/s.

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

PSV 82cm/s EDV 16cm/s

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

Internal Carotid Artery (ICA): Patent. Mixed plaque forming a <30% reduced in lumen diameter. The ICA is tortuous. The distal ICA appears patent.

PSV 43cm/s EDV 16cm/s

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

PSV 68cm/s

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

PSV 54cm/s

**Conclusion**

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

**Antegrade flow in the right and left VA.**

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

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

Final Date & Time: 22/03/2023 15:49:54