**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: **20/04/2023**

**Indication:**

High risk TIA clinic pt at 14:00. Episode of slurred speech and left facial droop two days ago ? right hemi TIA

**Report:**

**CAROTID DUPLEX SCAN**

\* high bifurcation bilaterally

**RIGHT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 70cm/s.

Common Carotid Artery (CCA): Patent. No evidence of any plaque morphology

PSV 65cm/s EDV 14cm/s

Bifurcation: Patent. No evidence of any plaque morphology

Internal Carotid Artery (ICA): Patent. No evidence of any plaque morphology identified in the proximal ICA. Unable to visualise the mid-distal ICA however waveforms in the proximal ICA are low resistance suggesting distal patency.

PSV 33cm/s EDV 8cm/s

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

PSV 37cm/s

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

PSV 48cm/s

**LEFT**

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

Common Carotid Artery (CCA): Patent. No evidence of any plaque morphology

PSV 42cm/s EDV 12cm/s

Bifurcation: Patent. No evidence of any plaque morphology

Internal Carotid Artery (ICA): Patent. No evidence of any plaque morphology identified in the proximal ICA. Unable to visualise the mid-distal ICA however waveforms in the proximal ICA are low resistance suggesting distal patency.

PSV 35cm/s EDV 14cm/s

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

PSV 60cm/s

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

PSV 49cm/s

**Conclusion**

**Where seen, 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

Final Date & Time: 20/04/2023 15:12:12