**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: **02/03/2023**

**Indication:**

SWOLLOW AND SPEECH DISTURBANCE - RT HANDED

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with biphasic waveforms, PSV 60cm/s.

Common Carotid Artery (CCA): Patent. Mixed, dense and calcified plaques identified forming a <40% stenosis.

PSV 59cm/s EDV 11cm/s

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

Internal Carotid Artery (ICA): Patent. Mixed, dense and calcified plaques identified forming a <40% stenosis identified in the proximal ICA. The distal ICA appears patent.

PSV 37cm/s EDV 8cm/s

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

PSV 61cm/s

Vertebral Artery Flow (VA): Poorly visualised due to depth, where seen appears patent with open and orthograde flow.

PSV 38cm/s

**LEFT**

Subclavian artery: Patent proximally with biphasic waveforms, PSV 60cm/s.

Common Carotid Artery (CCA): Patent. Smooth mixed plaque reducing lumen diameter by <30%.

PSV 81cm/s EDV 18cm/s

Bifurcation: Patent. Smooth mixed plaque reducing lumen diameter by <30%.

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

PSV 41cm/s EDV 11cm/s

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

PSV 91cm/s

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

PSV 32cm/s

**Conclusion**

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

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

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

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

Final Date & Time: 02/03/2023 12:19:40