**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: **06/03/2023**

**Indication:**

right facial weakness and dysarthria

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with good triphasic waveforms, PSV 152cm/s.

Common Carotid Artery (CCA): Patent. Smooth mixed plaques forming a <30% reduction in diameter.

PSV 65cm/s EDV 14cm/s

Bifurcation: Patent. Smooth mixed and dense plaques, forming a <40% reduction in diameter.

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

PSV 60cm/s EDV 18cm/s

External Carotid Artery (ECA): Patent. Smooth mixed plaques forming a <30% reduction in diameter.

PSV 90cm/s

Vertebral Artery Flow (VA): Poor visualisation, unable to exclude disease, waveforms suggest flow is open and orthograde flow.

PSV 24cm/s

**LEFT**

Subclavian artery: Patent proximally with good triphasic waveforms, PSV 108cm/s.

Common Carotid Artery (CCA): Patent. Smooth mixed plaques forming a <30% reduction in diameter.

PSV 98cm/s EDV 16cm/s

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

Internal Carotid Artery (ICA): Patent. Mixed, dense and calcified plaque identified in the proximal ICA forming a <40% stenosis. Distal ICA is patent.

PSV 78cm/s EDV 7cm/s

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

PSV 89cm/s

Vertebral Artery Flow (VA): Patent, waveforms suggest flow is open and orthograde flow.

PSV 37cm/s

**Conclusion**

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

**Right VA was poorly visualised unable to exclude disease however flow appears antegrade.**

**Left VA demonstrates antegrade flow.**

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

**Reported by:**

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Countess Of Chester Nhs Trust

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