**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:**

Known POTS with symptoms also of possible subclavian steal

**Report:**

**CAROTID DUPLEX SCAN**

**RIGHT**

Subclavian artery: Patent proximally with good triphasic waveforms, PSV 142cm/s.

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

PSV 94cm/s EDV 26cm/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. The distal ICA appears patent.

PSV 61cm/s EDV 28cm/s

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

PSV 72cm/s

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

PSV 52cm/s

**LEFT**

Subclavian artery: Patent proximally with good triphasic waveforms, PSV 96cm/s.

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

PSV 94cm/s EDV 26cm/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. The distal ICA appears patent.

PSV 61cm/s EDV 21cm/s

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

PSV 79cm/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 noted in the right and left VA.**

**No evidence of subclavian steel.**

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

**Reported by:**

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Clinical Vascular Scientist

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