**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: **25/04/2023**

**Indication:**

Transient episodes of speech disturbance with headache to exclude critical stenosis

**Report:**

**CAROTID DUPLEX SCAN**

Irregular heart rate noted

**RIGHT**

Subclavian artery: Patent proximally, with good bi/triphasic waveforms, PSV 82cm/s.

Common Carotid Artery (CCA): Patent. Mixed and dense plaques identified forming a <30% stenosis.

PSV 60cm/s EDV 11cm/s

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

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 69cm/s EDV 6cm/s

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

PSV 77cm/s

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

PSV 27cm/s

**LEFT**

Subclavian artery: Patent proximally, with good bi/triphasic waveforms, PSV 58cm/s.

Common Carotid Artery (CCA): Patent. Mixed and dense plaques identified forming a <30% stenosis.

PSV 74cm/s EDV 14cm/s

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

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

PSV 46cm/s EDV 13cm/s

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

PSV 77cm/s

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

PSV 31cm/s

**Conclusion**

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

**Antegrade flow in the right and left vertebral arteries.**

**Irregular heart rate noted.**

**Priority:** **++ Significant or Unexpected Finding ++**

**Reported by:**

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Clinical Vascular Scientist

Countess Of Chester Nhs Trust

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