**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: **28/03/2023**

**Indication:**

right lacunar infarct - ?RICA stenosis

**Report:**

**CAROTID DUPLEX SCAN**

\* Irregular heart rate noted

**RIGHT**

Subclavian artery: Patent proximally with good biphasic waveforms, PSV 138cm/s.

Common Carotid Artery (CCA): Patent. Intima thickening forming a <30% reduction in lumen diameter.

PSV 66cm/s EDV 12cm/s

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

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

PSV 47cm/s EDV 13cm/s

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

PSV 67cm/s

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

PSV 55cm/s

**LEFT**

Subclavian artery: Patent proximally with good triphasic waveforms, PSV 78cm/s.

Common Carotid Artery (CCA): Patent. Intima thickening forming a <30% reduction in lumen diameter.

PSV 67cm/s EDV 11cm/s

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

Internal Carotid Artery (ICA): Patent. Mixed and dense plaque forming a < 30% stenosis identified in the proximal ICA. ICA is tortuous. The distal ICA appears patent.

PSV 64cm/s EDV 11cm/s

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

PSV 56cm/s

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

PSV 47cm/s

**Conclusion**

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

**Antegrade flow noted 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

Final Date & Time: 28/03/2023 16:08:54