**Countess of Chester Hospital** 

NHS Foundation Trust

The Countess of Chester Health Park

Liverpool Road

Chester

CH2 1UL

Study Description: **US Doppler upper limb arteries Rt** Study Date: **13/03/2023**

**Indication:**

Chronic Rt subclavian artery ?dissection/malformation. discussed in MDT for repeat duplex in 6 months, h/o Parkinson's. on edoxaban

**Report:**

**RIGHT UPPER LIMB ARTERIAL DUPLEX**

**\* Irregular heart rate noted**

Common carotid artery: Patent, good antegrade waveforms, PSV 79cm/s.

Subclavian artery: Sub-optimal images of the subclavian artery due to patient anatomy. Appears patent along its length. Good biphasic waveforms noted in the proximal subclavian artery, PSV 143cm/s. Evidence of a dissection in the mid-distal subclavian artery, it appears motile, Cineloop save to carestream PACS - Sub-optimal images however can visualize it moving with flow. In this region waveforms become turbulent and PSV increases to 130cm/s to 192cm/s.

Axillary artery: Patent, good biphasic waveforms, PSV 92cm/s.

Brachial artery: Patent, good biphasic waveforms, PSV 130-83cm/s.

Radial artery: Patent, good triphasic waveforms, PSV 72cm/s.

Ulnar artery: Patent, good triphasic waveforms, PSV 85cm/s.

**CONCLUSION**

**There is evidence of a motile dissection flap in the right mid-distal subclavian artery - suboptimal images due to patient anatomy, however at this moment in time it does not appear to hemodynamically effect flow in the upper arm / forearm.**

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

**Reported by:**

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Final Date & Time: 13/03/2023 12:55:25