**Countess of Chester Hospital** 

NHS Foundation Trust

The Countess of Chester Health Park

Liverpool Road

Chester

CH2 1UL

Study Description: **US Doppler vein map upper limb Lt** Study Date: **21/03/2023**

**Indication:**

deranged LFTs so need arterial and venous upper limn doppler scan for AV access

**Report:**

**BILATERAL UPPER LIMB ARTERIAL AND VENOUS MAP**

**BILATERAL UPPER LIMB ARTERIAL**

The subclavian, axillary, brachial, radial, and ulnar arteries appear patent, with good tri/monophasic waveforms, bilaterally

Transverse (AP) dimensions are below:

**RIGHT**

Brachial artery prox: 0.52cm

Brachial artery mid: 0.43cm

Brachial artery distal: 0.51cm

Radial artery prox: 0.26cm

Radial artery mid: 0.26cm

Radial artery distal: 0.25cm

Ulnar artery prox: 0.25cm

Ulnar artery mid: 0.20cm

Ulnar artery distal: 0.24cm

**LEFT**

Brachial artery prox: 0.45cm

Brachial artery mid: 0.44cm

Brachial artery distal: 0.53cm

Radial artery prox: 0.33cm

Radial artery mid: 0.30cm

Radial artery distal: 0.29cm

Ulnar artery prox: 0.19cm

Ulnar artery mid: 0.17cm

Ulnar artery distal: 0.14cm

**BILATERAL CEPHALIC / BASILIC VEIN MAPPING**

All deep veins appear patent and fully compressible no evidence of previous DVT, bilaterally. The cephalic and basilic veins are patent and fully compressible along their length, bilaterally.

Transverse (AP) dimensions are below:

**RIGHT CEPHALIC VEIN**

Proximal upper arm – 0.28cm

Mid upper arm – 0.42cm

Distal upper arm – 0.41cm

Proximal forearm – 0.27cm

Mid forearm – 0.22cm

Distal forearm – 0.21cm

**RIGHT BASILIC VEIN**

Proximal upper arm – 0.48cm

Mid upper arm – 0.54cm

Distal upper arm (large branch noted) – 0.39cm

Proximal forearm – 0.27cm

Mid forearm – 0.25cm

Distal forearm – 0.18cm

**LEFT CEPHALIC VEIN**

Proximal upper arm – 0.39cm

Mid upper arm – 0.35cm

Distal upper arm – 0.46cm

Proximal forearm – 0.25cm

Mid forearm – 0.27cm

Distal forearm – 0.30cm

**LEFT BASILIC VEIN**

Proximal upper arm – 0.40cm

Mid upper arm – 0.38cm

Distal upper arm – 0.42cm

Proximal forearm – 0.31cm

Mid forearm – 0.19cm

Distal forearm – 0.19cm

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

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

Final Date & Time: 21/03/2023 10:25:03