**Countess of Chester Hospital** 

NHS Foundation Trust

The Countess of Chester Health Park

Liverpool Road

Chester

CH2 1UL

Study Description: **US Doppler lower limb veins Rt** Study Date: **04/04/2023**

**Indication:**

varicose eczema and swelling R LL - for reflux study

**Report:**

**RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT**

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration, suggesting proximal vein patency.

All visualised deep veins appear patent and competent with no evidence of previous DVT.

All measurements are proximal to the medial malleolus unless otherwise stated.

Sapheno-femoral junction (SFJ) appears competent.

Long Saphenous vein (LSV) is patent, compressible in the thigh, tracking a relatively linear course within the fascia. In the proximal thigh the LSV appear competent. In the mid-distal thigh low volume reflux identified in the LSV suggesting vessels is incompetent.

In the calf the LSV appears competent.

Transverse (AP) dimensions of LSV:

Mid- thigh - 0.31cm

Distal thigh - 0.33cm

Incompetent perforator noted in the mid calf at 17cm.

An incompetent anterior thigh vessel (ATV) arises at the level of the SFJ and tracks to the anterior thigh. The ATV tracks a fairly linear course for approx. 11-12cm distal to the right groin. The ATV leaves the fascia in the proximal thigh at approx. 65cm, where is then becomes highly tortuous and branched, tracking down the lateral and anterior thigh into the calf.

Transverse (AP) dimensions of ATV:

Proximal thigh - 0.82cm

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) appears continuous with a competent vein of Giacomini. The SSV in the proximal calf is small and appears competent. A large VV branch (tributary of the ATV) communicates with the SSV in the mid calf at approx. 23cm, distal to this the SSV is incompetent in the mid calf. A branch off the SSV was identified in the distal calf, this branch appears to be siphoning flow up to the LSV in the proximal calf. Distal to this branch, the SSV appears slightly incompetent in the distal calf.

Transverse (AP) dimensions of SSV:

Mid calf - 0.49cm

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

**Reported by:**

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Countess Of Chester Nhs Trust

Final Date & Time: 04/04/2023 17:49:39