**Countess of Chester Hospital** 

NHS Foundation Trust

The Countess of Chester Health Park

Liverpool Road

Chester

CH2 1UL

Study Description: **LEV RIGHT** Study Date: **16/03/2023**

**Indication:**

GP referral STP in right LSV during pregnancy Aug 22, Now 7/52 post-delivery . For right LL venous duplex

**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 widely patent and competent with no evidence of previous DVT.

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

Sapheno-femoral junction (SFJ) is incompetent.

Two branches noted off the SFJ, both appear patent, compressible and incompetent.

Approx. 2cm proximal to the SFJ, these two branches merge together to form a singular LSV, which is patent, compressible, incompetent in the thigh and tracking a relatively linear course within the fascia. No evidence of previous STP.

Incompetent branch noted off the distal LSV forming a VV around the knee level, no evidence of previous STP.

LSV in the calf is patent, compressible, and incompetent along its length.

Incompetent branch noted off the LSV at the knee crease (40cm) forming and VV which communicates with the Short Saphenous vein (SSV) in the mid calf (see details below).

Incompetent branch noted off the LSV in the mid calf at 27cm, forming large VV branch, which appears to communicate with the SSV in the mid/distal calf (see details below).

Incompetent perforator noted in the distal calf at 10cm, this perforator appears to be siphoning flow up towards the proximal calf, where is appears to communicate with the LSV in the proximal calf at approx. 27cm.

Transverse (AP) dimensions of branches of the SFJ and LSV:

Branches off the SFJ - 0.70-0.80cm

Proximal thigh - 0.53cm

Mid- thigh - 0.65cm

Distal thigh - 0.69cm

Proximal calf - 0.51cm

Mid calf - 0.20cm

Distal calf – 0.19cm

Sapheno-popliteal junction (SPJ) was not identified. SSV is continuous with a competent vein of Giacomini. SSV is patent, compressible along its length in the calf.

SSV is competent in the proximal calf.

Incompetent branch (LSV tributary from knee creases at 40cm) communicate with the SSV in the mid calf, distal to this the SSV is incompetent to the ankle.

Incompetent branch (LSV tributary from proximal calf at 27cm) communicate with the SSV in the mid/distal calf.

Transverse (AP) dimensions of SSV:

Mid calf - 0.47cm

Distal calf - 0.32cm

**Conclusion**

**Deep veins are competent.**

**SFJ and LSV are incompetent, subsequently the SSV is incompetent in the mid-distal calf.**

**Incompetent perforator in the distal calf appears to be siphoning flow up to the LSV in the proximal calf.**

**No evidence of previous STP**

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

**Reported by:**

Nia Steeves

Clinical Vascular Scientist

Countess Of Chester Nhs Trust

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