



## Reason

Varicose vein

## Outcome

DVT negative, Incompetence - superficial

	Right		Left	
	Patency	Competency	Patency	Competency
<b>Deep Veins</b>				
Common Iliac Vein	Not Assessed		Not Assessed	
External Iliac Vein	Not Assessed		Not Assessed	
Internal Iliac Vein	Not Assessed		Not Assessed	
Common Femoral Vein	Widely Patent	Competent	Widely Patent	Competent
Profunda Vein	Widely Patent	Competent	Widely Patent	Competent
Superficial Femoral Vein	Widely Patent	Competent	Widely Patent	Competent
Popliteal Vein	Widely Patent	Competent	Widely Patent	Competent
Posterior Tibial Vein	Widely Patent	Competent	Widely Patent	Competent
Anterior Tibial Vein	Widely Patent	Competent	Widely Patent	Competent
Peroneal Vein	Widely Patent	Competent	Widely Patent	Competent
Soleal Vein				
Gastrocnemius	Widely Patent	Isolated Incompetence	Widely Patent	Competent
<b>Superficial Veins</b>				
Saphenofemoral Junction	Patent	Competent	Patent	Incompetent
L Saphenous Vein Above	Patent	Competent	Patent	Incompetent
L Saphenous Vein Below	Patent	Competent	Patent	Isolated Incompetence
Vein of Giacomini	Patent	Competent	Patent	Competent
Saphenopopliteal Junction	Not Identified		Not Identified	
S Saphenous Vein	Patent	Isolated Incompetence	Patent	Isolated Incompetence
<b>Evidence of D.V.T.</b>				
Above the knee	No		No	
Popliteal	No		No	
Below the knee	No		No	

## Notes

## BILATERAL LOWER LIMB VENOUS DUPLEX ASSESSMENT

\*All measurements are proximal to the medial malleolus unless otherwise stated\*

Iliac veins not viewed. Flow in the common femoral veins is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. Bilaterally all visualised deep veins appear widely patent and competent with no evidence of previous DVT. Isolated incompetence in a pair of right gastrocnemius veins due to communication with an incompetent perforator.

## RIGHT

Sapheno-femoral junction (SFJ) is widely patent and competent. Long Saphenous vein (LSV) is widely patent and competent along length. Competent branch at ~26cm. This travels medially in the calf before communicating with an incompetent branch from the SSV, rendering it incompetent which it remains

Assessed by Rae Larmour

Printed on 08/06/2022 at 3:46 pm

Checked by



throughout the calf.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is continuous with a vein of Giacomini which is competent in the thigh. At the level of the knee crease, incompetent perforator from the Gastrocnemius veins renders the vein of Giacomini and SSV incompetent. SSV is noted to be tortuous throughout the calf. Incompetent branches at ~16cm form the posterior calf varicosities, with a branch travelling medially to communicate with a branch of the LSV.

Transverse (AP) dimensions of LSV:

Proximal thigh - 0.4cm,

Mid thigh - 0.21cm,

Distal thigh - 0.32cm.

Proximal calf - 0.29cm,

Mid calf - 0.25cm,

Distal calf - 0.27cm.

Transverse (AP) dimensions of SSV:

Proximal calf - 0.5cm,

Mid calf - 0.46cm,

Distal calf - 0.37cm.

LEFT

Sapheno-femoral junction (SFJ) is widely patent and incompetent. Long Saphenous vein (LSV) is widely patent, incompetent and linear in the thigh. Focal dilatation of the LSV in the mid thigh to ~0.8cm (at ~38cm). Incompetent branch at ~37cm travels medially to the distal thigh before travelling laterally across the knee and back to the medial calf. In the proximal calf, at ~26cm, incompetent branches leave the LSV forming the medial calf varicosities. The LSV is competent in the prox-mid calf. At ~18cm, incompetent perforator communicates with the LSV, rendering it incompetent, which it remains to the ankle.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent in the prox-mid calf and is continuous with a competent vein of Giacomini. At ~11cm, incompetent branch from the LSV associated varicosities communicates with the SSV, rendering it incompetent. At ~5cm there is a competent perforator and the SSV is competent distal to this and remains so to the ankle.

Transverse (AP) dimensions of LSV:

Proximal thigh - 0.54cm,

Mid thigh - 0.52cm,

Distal thigh - 0.66cm.

Proximal calf - 0.5cm,

Mid calf - 0.22cm,

Distal calf - 0.24cm.

Transverse (AP) dimensions of SSV:

Proximal calf - 0.19cm,

Mid calf - 0.14cm,

Distal calf - 0.24cm.

