

Reason Varicose vein
Outcome Incompetence

	Right		Left	
Deep Veins	Patency	Competency	Patency	Competency
Common Iliac Vein				
External Iliac Vein				
Internal Iliac Vein				
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	Not Identified		Not Identified	
Gastrocnemius	Patent		Patent	
Superficial Veins				
Saphenofemoral Junction	Patent	Incompetent	Patent	Incompetent
L Saphenous Vein Above	Patent	Incompetent	Patent	Incompetent
L Saphenous Vein Below	Patent	Isolated Incompetence	Patent	Incompetent
Vein of Giacomini	Patent	Competent	Patent	Competent
Saphenopopiteal Junction	Patent	Competent	Patent	Competent
S Saphenous Vein	Patent	Competent	Patent	Isolated Incompetence
Evidence of D.V.T.				
Above the knee	No		No	
Popliteal	No		No	
Below the knee	No		No	

Notes

BILATERAL LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and demonstrates a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised deep veins appear widely patent and competent with no evidence of previous DVT.

RIGHT

SFJ is incompetent.

LSV is incompetent in the thigh and proximal calf, with incompetent branches noted at ~69cm and 35cm MM forming medial thigh and calf varicosities distally.

LSV is competent distally.

Assessed by Rachel Johnson

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Checked by

Transverse (AP) dimensions of LSV:

Proximal thigh - 0.96cm,
Mid thigh - 0.82cm,
Distal thigh - 0.85cm,
Proximal calf - 0.83cm,
Mid calf - 0.66cm,
Distal calf - 0.52cm.

SPJ is patent and competent.

SSV (measuring 0.26cm AP) is competent and is continuous with a competent vein of Giacomini.

LEFT

SFJ is incompetent.

LSV leaves the fascia in the proximal thigh and becomes very tortuous and superficial.

LSV not identified in the distal thigh ?due to previous surgery. Large, tortuous and incompetent branch note in the medial/posterior thigh (can be tracked proximally to the SFJ) forms visible posterior calf varicosities. An incompetent LSV appears to reform in the proximal to mid calf ~24cm MM via an incompetent branch. Incompetent perforator noted at ~21cm MM.

Transverse (AP) dimensions of LSV:

Proximal thigh - 1cm,
Mid calf - 0.39cm,
Distal calf - 0.35cm.

SPJ is patent and competent. Vein of Giacomini is competent.

SSV is competent in the proximal to mid calf until ~28cm MM, where an incompetent perforator was identified. Isolated incompetence noted, incompetent branch noted at ~26cm MM. SSV is competent distal to this. SSV measures: Proximal calf - 0.2cm, Mid calf - 0.5cm, Distal calf - 0.3cm.



