

Reason
Outcome

Ulceration, Varicose vein
DVT equivocal, Chronic Superficial thrombophlebitis, Incompetence - superficial

8/16/21 1/2

| | Right | | Left | |
|---------------------------|----------------|-------------------|-------------------|-------------------|
| Deep Veins | Patency | Competency | Patency | Competency |
| 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 | Patent | Competent | Patent | Competent |
| Anterior Tibial Vein | Patent | Competent | Patent | Competent |
| Peroneal Vein | Poor Flow | | Poor Flow | |
| Soleal Vein | | | | |
| Gastrocnemius | Patent | | Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Incompetent | Not Identified | |
| L Saphenous Vein Above | Patent | Incompetent | Areas of Thrombus | Old Thrombus |
| L Saphenous Vein Below | Patent | Incompetent | Patent | where identified |
| Vein of Giacomini | Patent | Competent | Patent | Competent |
| Saphenopopliteal Junction | | | | |
| S Saphenous Vein | Patent | Competent | Patent | Competent |
| Evidence of D.V.T. | | | | |
| Above the knee | No | | No | |
| Popliteal | No | | No | |
| Below the knee | Cannot Exclude | | Cannot Exclude | |

Notes

BILATERAL LOWER LIMB VENOUS DUPLEX ASSESSMENT

*Patient reports previous venous surgery in the left leg.

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent and competent with no evidence of previous DVT. Poor flow and visualisation of the peroneal veins bilaterally due to dressings and ulceration, unable to exclude calf DVT.

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

RIGHT

Sapheno-femoral junction (SFJ) is incompetent. Long Saphenous vein (LSV) is slightly tortuous and

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incompetent in the thigh. LSV leaves the fascia in the distal thigh and is slightly tortuous and incompetent in the calf with incompetent branches noted at 27 cm MM and 14 cm MM forming multiple calf varicosities. 816121
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Transverse (AP) dimensions of LSV:

Proximal thigh- 0.6 cm,

Mid thigh - 0.9 cm,

Distal thigh - 0.7 cm.

Proximal calf- 0.8 cm,

Mid calf - 0.6 cm,

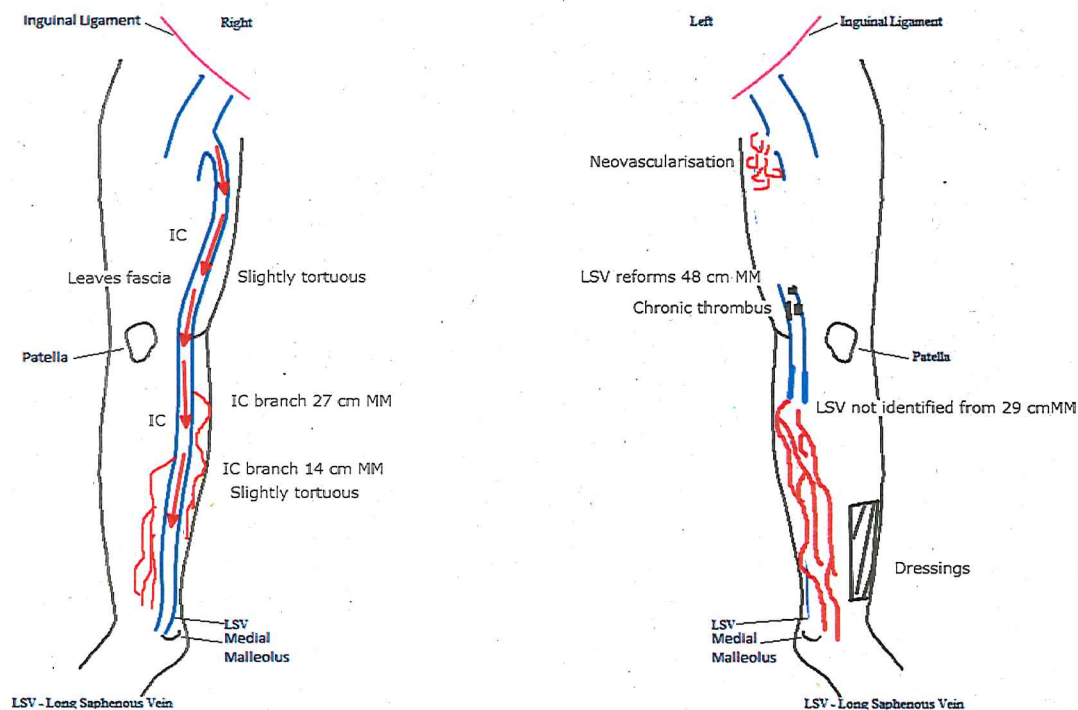
Distal calf - 0.5 cm.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.

LEFT

Sapheno-femoral junction (SFJ) is not identified, neovascularisation identified in the groin. LSV not identified in the proximal-mid thigh. Long Saphenous vein (LSV) reforms in the distal thigh at 46 cm MM with a short section of non-occlusive chronic thrombus identified. LSV appears competent where it is identified between 46 cm MM and 29 cm MM in the proximal-mid calf. Distal to this the LSV is not identified and there are multiple varicose branches identified in the calf.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



Reason Varicose vein
Outcome DVT negative, Incompetence - superficial

9/6/21 1/2

| | Right | | Left | |
|---------------------------|---------------|-----------------------|---------------|------------|
| Deep Veins | Patency | Competency | Patency | Competency |
| 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 | | Widely Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | Patent | Competent |
| L Saphenous Vein Above | Patent | Isolated Incompetence | Patent | Competent |
| L Saphenous Vein Below | Patent | Isolated Incompetence | Patent | Competent |
| Vein of Giacomini | Patent | Competent | Patent | Competent |
| Saphenopopiteal Junction | | | | |
| S Saphenous Vein | Patent | Competent | Patent | Competent |
| 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 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.

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

RIGHT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is small and competent in the proximal -mid thigh. LSV becomes incompetent in the mid-distal thigh at 52 cm MM ? damaged valve. Incompetent branch identified at 39 cm MM at knee level and the LSV remains incompetent in the proximal

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calf. There is a competent branch identified at 27 cm MM in the mid calf and distal to this the LSV becomes competent to ankle.

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Transverse (AP) dimensions of LSV:

Proximal thigh- 0.3 cm,

Mid thigh - 0.2 cm,

Distal thigh - 0.2 cm.

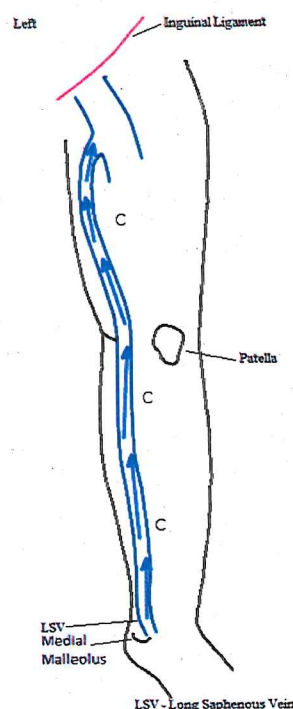
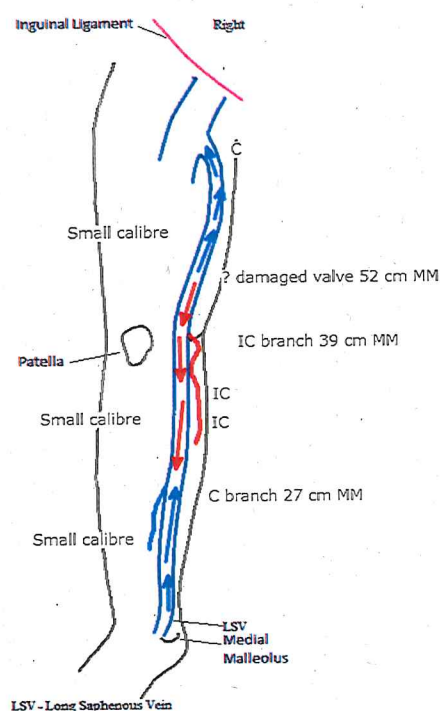
Proximal calf- 0.16 cm,

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is very small calibre but appears competent and is continuous with a competent vein of Giacomini.

LEFT

Sapheno-femoral junction (SFJ) is Competent. Long Saphenous vein (LSV) is competent in the thigh and calf.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is very small calibre but appears competent and is continuous with a competent vein of Giacomini.



Reason Varicose vein
Outcome DVT negative, Incompetence - deep, Incompetence - superficial

1016121 112

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

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised deep veins appear widely patent with no evidence of previous DVT. Isolated incompetence seen in one of the distal posterior tibial veins. Otherwise all visualised deep veins appear competent.

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

RIGHT

Sapheno-femoral junction (SFJ) is incompetent. Long Saphenous vein (LSV) is superficial and incompetent in the thigh with an incompetent branch identified in the mid thigh at 66 cm MM. LSV remains incompetent in

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the proximal-mid calf with an incompetent branch identified at 31 cm MM. LSV appears to become chronically occluded and very small calibre in the mid calf and remains occluded to the ankle.

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Transverse (AP) dimensions of LSV:

Proximal thigh- 0.5 cm,

Mid thigh - 0.4 cm, 0.3 cm deep.

Proximal calf- 0.4 cm,

Mid calf - Small, chronically occluded

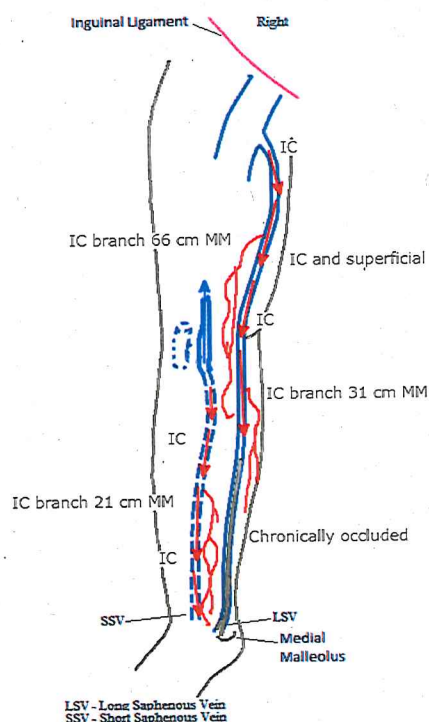
Sapheno-popliteal junction (SPJ) was not identified. Vein of Giacomini is competent. Short Saphenous vein (SSV) is incompetent along its length with an incompetent branch identified at 21 cm MM in the mid calf.

Transverse (AP) dimensions of SSV:

Proximal calf- 0.3 cm,

Mid calf - 0.3 cm,

Distal calf - 0.3 cm.



Reason
Outcome

Ulceration
DVT equivocal, Lymph nodes, Incompetence - superficial

14/6/21 112

| Deep Veins | Right | | Left | |
|---------------------------|-------------------|-----------------------|---------|------------|
| | Patency | Competency | Patency | Competency |
| Common Iliac Vein | Not Assessed | | | |
| External Iliac Vein | Not Assessed | | | |
| Internal Iliac Vein | Not Assessed | | | |
| Common Femoral Vein | Widely Patent | Isolated Incompetence | | |
| Profunda Vein | Widely Patent | Competent | | |
| Superficial Femoral Vein | Widely Patent | Competent | | |
| Popliteal Vein | Widely Patent | Competent | | |
| Posterior Tibial Vein | Not Assessed | | | |
| Anterior Tibial Vein | Not Assessed | | | |
| Peroneal Vein | Not Assessed | | | |
| Soleal Vein | Not Assessed | | | |
| Gastrocnemius | Not Assessed | | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Incompetent | | |
| L Saphenous Vein Above | Patent | Isolated Incompetence | | |
| L Saphenous Vein Below | Patent where seen | Competent | | |
| Vein of Giacomini | | | | |
| Saphenopopliteal Junction | | | | |
| S Saphenous Vein | | | | |

Evidence of D.V.T.

| | |
|----------------|----------------|
| Above the knee | No |
| Popliteal | No |
| Below the knee | Cannot Exclude |

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent and competent with no evidence of previous DVT. Unable to assess calf veins due to ulceration and dressings, unable to exclude DVT or comment on competency

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

RIGHT

Sapheno-femoral junction (SFJ) is incompetent. Long Saphenous vein (LSV) is incompetent in the proximal thigh until an incompetent branch at 71 cm MM forming anterior varicosities. Distal to this the LSV becomes competent. Incompetent branch noted at 28 cm MM in the proximal calf, unable to assess distal to this level due to ulceration and dressings.

Sapheno-popliteal junction (SPJ) is patent and competent. Short Saphenous vein (SSV) is competent in the

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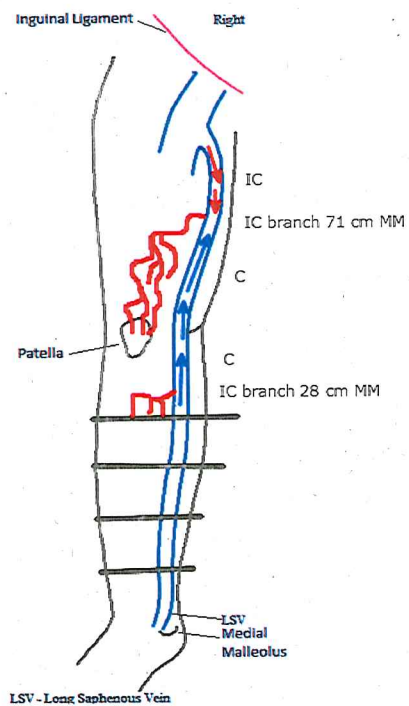
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proximal calf.

1416121 212

Transverse (AP) dimensions of LSV:
Proximal thigh - 0.76 cm,
Mid thigh - 0.3 cm,
Distal thigh - 0.3cm.



Reason Ulceration, Varicose vein
Outcome DVT negative, Incompetence - superficial

22/6/21 1/3

| | Right | | Left | |
|---------------------------|----------------|-------------------|----------------|-----------------------|
| Deep Veins | Patency | Competency | Patency | Competency |
| 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 | | Widely Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Incompetent | Patent | Competent |
| L Saphenous Vein Above | Patent | Incompetent | Patent | Isolated Incompetence |
| L Saphenous Vein Below | Patent | Incompetent | Patent | Isolated Incompetence |
| Vein of Giacomini | Patent | Competent | Patent | Competent |
| Saphenopopiteal Junction | | | | |
| S Saphenous Vein | Patent | Competent | Patent | Competent |
| 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 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.

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

RIGHT

Sapheno-femoral junction (SFJ) is incompetent. Long Saphenous vein (LSV) is incompetent in the thigh and along its length. LSV comes out of the fascia in the proximal thigh at 65 cm MM and becomes superficial returning to the fascia in the mid calf at 21 cm MM. Incompetent branches noted at 65 and 52 cm MM in the

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thigh with multiple incompetent branches identified in the calf.

Transverse (AP) dimensions of LSV:

Proximal thigh- 0.61 cm,

Mid thigh - 0.55 cm, depth 0.37 cm

Distal thigh - 0.6 cm.

Proximal calf- 0.55 cm, depth 0.25 cm

Mid calf - 0.35 cm,

Distal calf - 0.34 cm.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.

LEFT

Sapheno-femoral junction (SFJ) is competent. Small incompetent branch noted ~ 1.9 cm distal to the SFJ. Unable to trace this branch ? pelvic origin. LSV becomes incompetent distal to this branch with a incompetent branch noted at 68 cm MM in the proximal thigh. LSV then becomes competent in the remainder of the thigh and proximal calf. Incompetent branch noted at 30 cm MM in the proximal calf. Distal to this the LSV becomes incompetent to ankle. Small competent anterior thigh vein identified in the proximal thigh (0.28 cm TS AP). Large incompetent branch noted communicating with the anterior thigh vein at 68 cm MM forming visible anterior thigh varicosities.

Transverse (AP) dimensions of LSV:

Proximal thigh- 0.52 cm,

Mid thigh - 0.38 cm,

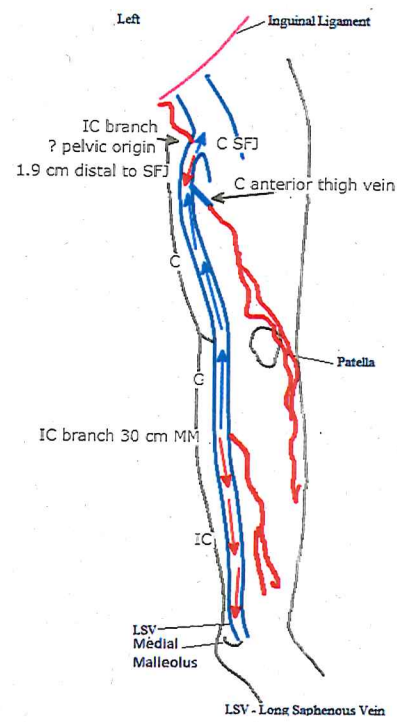
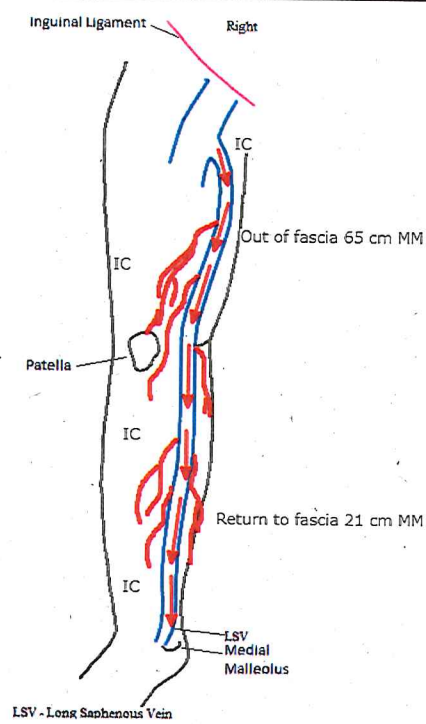
Distal thigh - 0.41 cm.

Proximal calf- 0.33 cm,

Mid calf - 0.43 cm,

Distal calf - 0.45 cm.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



Reason

Varicose vein

29/6/21 1/2

Outcome

DVT negative, Incompetence - deep, Incompetence - superficial

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

Notes

LEFT 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 vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised deep veins appear widely patent with no evidence of previous DVT. Isolated slightly incompetence identified in the proximal popliteal vein. Otherwise all deep veins appear competent. Sapheno-femoral junction (SFJ) is competent. Anterior thigh accessory vein (ATAV) is incompetent and linear for a short distance. ATAV leaves the fascia and becomes tortuous in the proximal thigh (75cm), forms anterior thigh varicosities and tracks distally. Long Saphenous vein (LSV) is competent in the proximal-mid thigh. Incompetent branch communicating with the branches of the ATAV renders the LSV incompetent in the distal thigh at 56 cm, incompetent branch

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noted at knee level (33cm) forming anterior varicosities. Incompetent branches noted in the proximal calf (28cm) forming anterior and posterior varicosities. Distal to this the LSV becomes of smaller calibre and is competent to the ankle.

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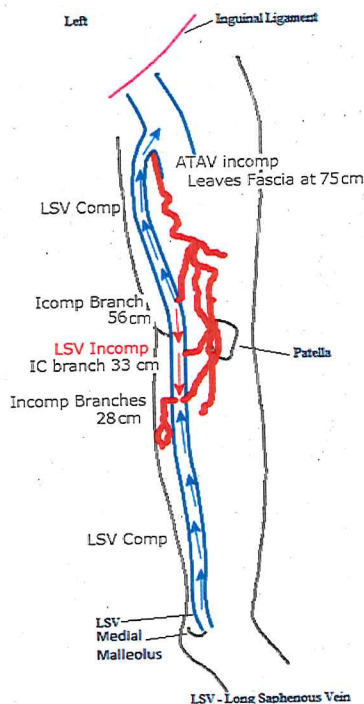
Transverse (AP) dimensions of LSV:

Proximal thigh - 0.44 cm,
Mid thigh - 0.39 cm,
Distal thigh - 0.39 cm.
Proximal calf - 0.48 cm,
Mid calf - 0.32 cm,
Distal calf - 0.40 cm.

Sapheno-popliteal junction (SPJ) is incompetent. SSV is incompetent along its length with incompetent branches noted at 27 and 16 cm to the lateral malleolus.

Transverse (AP) dimensions of SSV:

Proximal calf - 0.61 cm,
Mid calf - 0.55 cm,
Distal calf - 0.3 cm.



Reason Ulceration, Varicose vein
Outcome DVT negative, Incompetence - superficial

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| | Right | | Left | |
|---------------------------|---------------|-------------|---------------|-------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| 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 | Incompetent | Widely Patent | Incompetent |
| Popliteal Vein | Widely Patent | Incompetent | Widely Patent | Competent |
| Posterior Tibial Vein | Patent | Competent | Patent | Competent |
| Anterior Tibial Vein | Patent | Competent | Patent | Competent |
| Peroneal Vein | Patent | Competent | Patent | Competent |
| Soleal Vein | | | | |
| Gastrocnemius | Patent | | Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | Patent | Competent |
| L Saphenous Vein Above | Patent | Incompetent | Patent | Incompetent |
| L Saphenous Vein Below | Patent | Incompetent | Patent | Competent |
| Vein of Giacomini | Patent | | Patent | |
| Saphenopopiteal Junction | | | | |
| S Saphenous Vein | Patent | Incompetent | Patent | Competent |
| 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

RIGHT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent with no evidence of previous DVT. Common femoral and profunda veins are competent, superficial femoral and popliteal veins are incompetent. Poor tissue resolution of the calf veins due to skin discoloration however calf veins appear patent and competent with reasonable colour filling.

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

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is incompetent from the

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proximal thigh ? damaged valve and remains incompetent along the length of the thigh with an incompetent branch identified at 55 cm MM. Competent branch identified in the distal thigh at 45 cm MM and distal to this the LSV becomes small calibre and competent to the mid calf at 25 cm MM where an incompetent branch is seen and the LSV becomes incompetent again to ankle with an incompetent branch noted at 10 cm MM in the distal calf.

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Transverse (AP) dimensions of LSV:

Proximal thigh - 0.53 cm,
Mid thigh - 0.41 cm,
Distal thigh - 0.2 cm.
Proximal calf - 0.42 cm,
Mid calf - 0.4 cm,
Distal calf - 0.47 cm.

Sapheno-popliteal junction (SPJ) was not identified. Vein of Giacomini is competent. Short Saphenous vein (SSV) is incompetent along its length with incompetent branches noted at 26 and 10 cm to the lateral malleolus.

Transverse (AP) dimensions of SSV:

Proximal calf - 0.4 cm,
Mid calf - 0.42 cm,
Distal calf - 0.27 cm.

LEFT

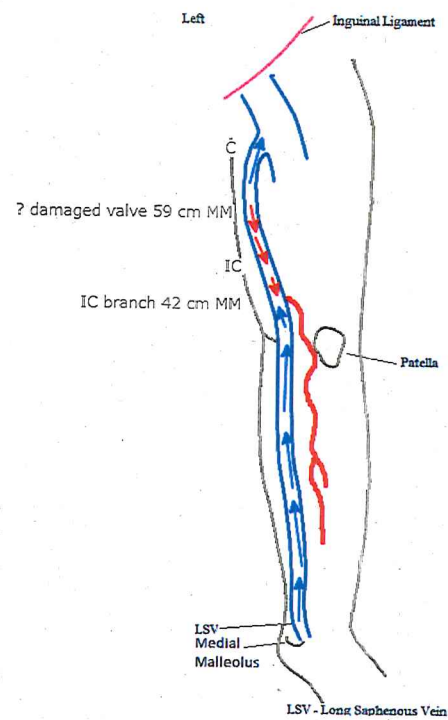
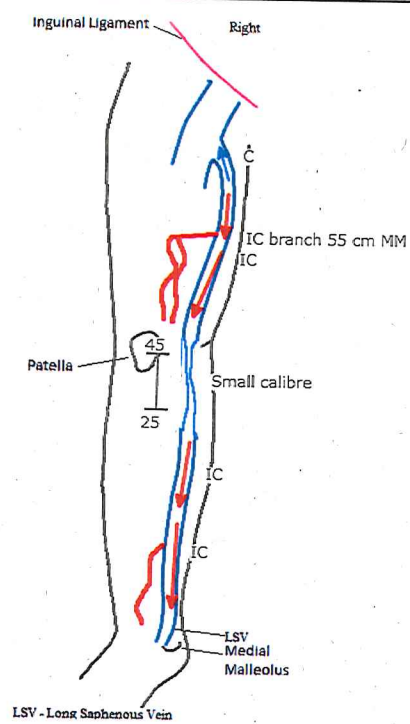
Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent with no evidence of previous DVT. Common femoral, profunda and popliteal veins are competent, isolated incompetence noted in the superficial femoral vein. Poor tissue resolution of the calf veins due to skin discoloration however calf veins appear patent and competent with reasonable colour filling.

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is incompetent from the proximal thigh ? damaged valve at 59 cm MM and remains incompetent along the length of the thigh with an incompetent branch identified at 42 cm MM. Distal to this branch the LSV appears competent to ankle.

Transverse (AP) dimensions of LSV:

Proximal thigh - 0.57 cm,
Mid thigh - 0.48 cm,
Distal thigh - 0.36 cm.
Proximal calf - 0.28 cm,
Mid calf - 0.37 cm,
Distal calf - 0.3 cm.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



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Reason Varicose vein
Outcome DVT negative, Incompetence - superficial

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| | Right | | Left | |
|---------------------------|---------------|------------|---------|------------|
| Deep Veins | Patency | Competency | Patency | Competency |
| Common Iliac Vein | Not Assessed | | | |
| External Iliac Vein | Not Assessed | | | |
| Internal Iliac Vein | Not Assessed | | | |
| Common Femoral Vein | Widely Patent | Competent | | |
| Profunda Vein | Widely Patent | Competent | | |
| Superficial Femoral Vein | Widely Patent | Competent | | |
| Popliteal Vein | Widely Patent | Competent | | |
| Posterior Tibial Vein | Widely Patent | Competent | | |
| Anterior Tibial Vein | Widely Patent | Competent | | |
| Peroneal Vein | Widely Patent | Competent | | |
| Soleal Vein | Widely Patent | | | |
| Gastrocnemius | Widely Patent | | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | | |
| L Saphenous Vein Above | Patent | Competent | | |
| L Saphenous Vein Below | Patent | Competent | | |
| Vein of Giacomini | Patent | Competent | | |
| Saphenopopiteal Junction | Patent | Competent | | |
| S Saphenous Vein | Patent | Competent | | |
| Evidence of D.V.T. | | | | |
| Above the knee | No | | | |
| Popliteal | No | | | |
| Below the knee | No | | | |

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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.

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

RIGHT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh. LSV leaves the fascia at 43 cm MM in the distal thigh and becomes tortuous, competent and interacts with multiple branches in the proximal-mid calf. LSV re-enters the fascia at 20 cm MM in the mid-distal calf and

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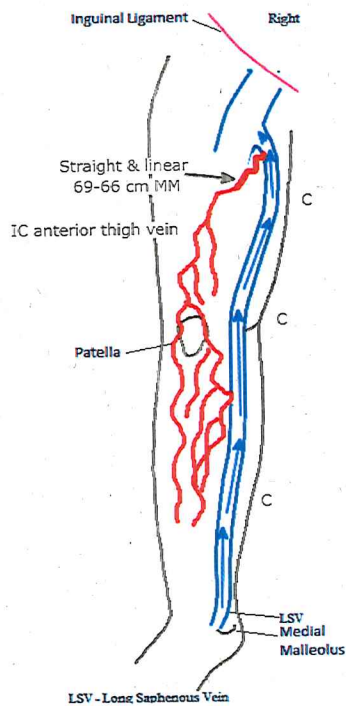
Printed on 04/07/2021 at 4:42 pm

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remains competent to ankle.

Incompetent anterior thigh identified with a short straight section in the proximal thigh between 69-66 cm MI (AP 0.57 cm) that is within the fascia. Distal to this the vein leaves the fascia and becomes tortuous tracking down the antero-lateral thigh and forming posterior and medial calf varicosities.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



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

Notes

LEFT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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.

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

LEFT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh and along its length.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is

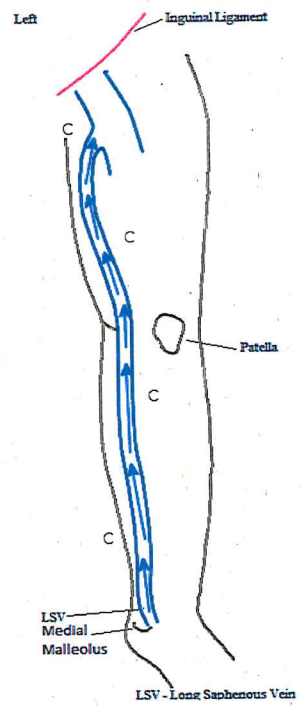
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continuous with a competent vein of Giacomini.



Reason

Ulceration, Varicose vein

3016121 1/2

Outcome

DVT equivocal, Chronic Superficial thrombophlebitis, Incompetence - superficial

| | Right | | Left | |
|---------------------------|-------------------|-------------|---------|------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| Common Iliac Vein | Not Assessed | | | |
| External Iliac Vein | Not Assessed | | | |
| Internal Iliac Vein | Not Assessed | | | |
| Common Femoral Vein | Widely Patent | Competent | | |
| Profunda Vein | Widely Patent | Competent | | |
| Superficial Femoral Vein | Widely Patent | Competent | | |
| Popliteal Vein | Widely Patent | Competent | | |
| Posterior Tibial Vein | Not Assessed | | | |
| Anterior Tibial Vein | Not Assessed | | | |
| Peroneal Vein | Not Assessed | | | |
| Soleal Vein | Not Assessed | | | |
| Gastrocnemius | Not Assessed | | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Incompetent | | |
| L Saphenous Vein Above | Areas of Thrombus | Incompetent | | |
| L Saphenous Vein Below | Areas of Thrombus | Incompetent | | |
| Vein of Giacomini | Patent | Competent | | |
| Saphenopopiteal Junction | Not Identified | | | |
| S Saphenous Vein | Patent prox | Competent | | |
| Evidence of D.V.T. | | | | |
| Above the knee | No | | | |
| Popliteal | No | | | |
| Below the knee | Cannot Exclude | | | |

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT - Difficult assessment due to patient body habitus/depth of vessels.

CFV, PFV, SFV and POPV are widely patent and competent. Unable to assess calf veins due to dressings and ulceration-unable to exclude calf DVT from this assessment.

The SFJ is widely patent and incompetent. The LSV is incompetent along its length in the thigh and proximal calf. Extensive areas of chronic webbing seen in the LSV in keeping with old superficial thrombophlebitis from the groin to the proximal calf. Several incompetent branches arise off the LSV in the thigh and proximal calf, forming superficial varicosities to the medial thigh and calf. Large but competent perforator identified in the proximal calf at 31 cm MM.

SPJ not identified. The SSV is widely patent and competent and is continuous with a competent vein of

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Giacomini.

Extensive superficial oedema identified in the right calf.

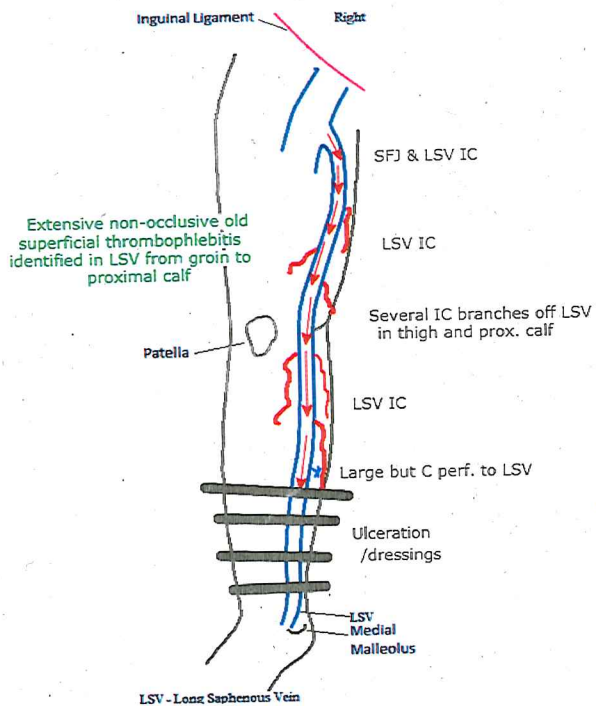
Transverse (AP) dimensions of LSV:

Proximal thigh- 1.7 cm,

Mid thigh - 1.4 cm,

Distal thigh - 1.3 cm.

Proximal calf- 0.7 cm,



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Reason Vein map
Outcome DVT negative, Superficial oedema, Competent

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| | Right | | Left | |
|---------------------------|----------------|------------|---------------|------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| 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 | | Widely Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | Patent | Competent |
| L Saphenous Vein Above | Patent | Competent | Patent | Competent |
| L Saphenous Vein Below | Patent | Competent | Patent | Competent |
| Vein of Giacomini | Not Identified | | Patent | Competent |
| Saphenopopliteal Junction | Patent | Competent | | |
| S Saphenous Vein | Patent | Competent | Patent | Competent |
| 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 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. Superficial oedema identified in the calves bilaterally.

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

RIGHT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh and along its length. LSV leaves the fascia in the mid thigh and becomes slightly tortuous, re-entering the fascia in the proximal calf at 29 cm MM.

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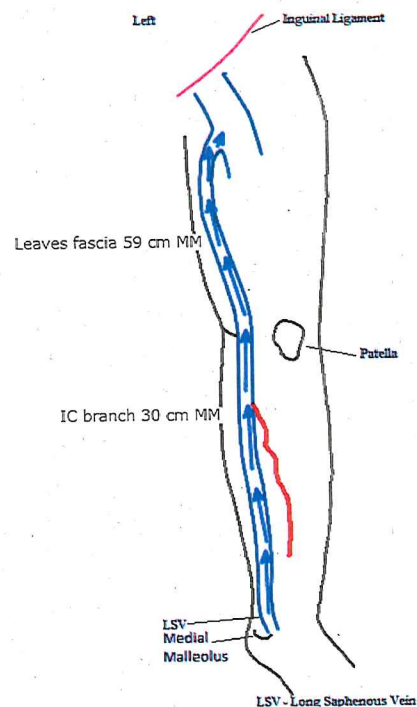
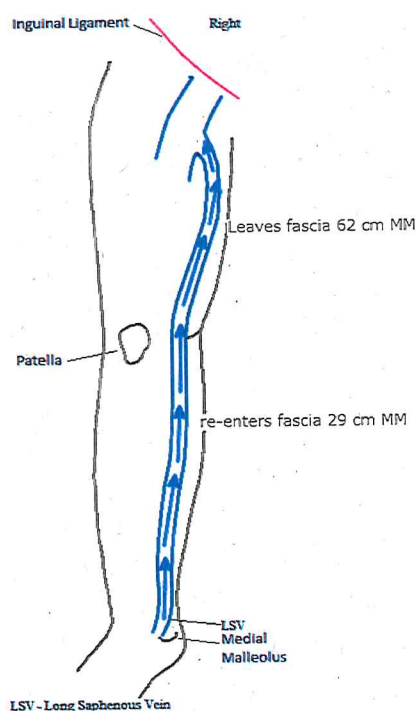
Sapheno-popliteal junction (SPJ) is patent and competent. Short Saphenous vein (SSV) is competent along its length.

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LEFT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh and leaves the fascia in the mid thigh at 59 cm MM. Incompetent branch to the LSV identified in the proximal calf at 30 cm MM however the LSV remains competent along its length.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



Reason Routine
Outcome DVT negative, Normal, Competent

217121 112

| | Right | | Left | |
|--------------------------|---|--|---------|------------|
| Deep Veins | Patency | Competency | Patency | Competency |
| Common Iliac Vein | <input type="text" value="Not Assessed"/> | | | |
| External Iliac Vein | <input type="text" value="Not Assessed"/> | | | |
| Internal Iliac Vein | <input type="text" value="Not Assessed"/> | | | |
| Common Femoral Vein | <input type="text" value="Widely Patent"/> | | | |
| Profunda Vein | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Superficial Femoral Vein | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Popliteal Vein | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Posterior Tibial Vein | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Anterior Tibial Vein | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Peroneal Vein | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Soleal Vein | | | | |
| Gastrocnemius | <input type="text" value="Patent"/> | | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| L Saphenous Vein Above | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| L Saphenous Vein Below | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Vein of Giacomini | <input type="text" value="Not Identified"/> | | | |
| Saphenopopiteal Junction | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| S Saphenous Vein | <input type="text" value="Patent"/> | <input type="text" value="Competent"/> | | |
| Evidence of D.V.T. | | | | |
| Above the knee | <input type="text" value="No"/> | | | |
| Popliteal | <input type="text" value="No"/> | | | |
| Below the knee | <input type="text" value="No"/> | | | |

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Challenging assessment due to patient movement.

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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.

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

RIGHT

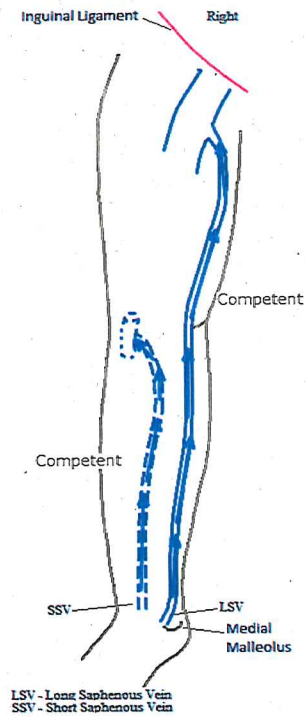
Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh and along its length.

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Sapheno-popliteal junction (SPJ) is patent and competent. Short Saphenous vein (SSV) is competent along its length. 217121
212



Reason:

Ulceration, Varicose vein

2515121 112

Outcome

Superficial oedema, Above knee DVT, Incompetence - superficial

| | Right | | Left | |
|---------------------------|---------|------------|----------------|-------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| Common Iliac Vein | | | | |
| External Iliac Vein | | | | |
| Internal Iliac Vein | | | | |
| Common Femoral Vein | | | | |
| Profunda Vein | | | | |
| Superficial Femoral Vein | | | | |
| Popliteal Vein | | | | |
| Posterior Tibial Vein | | | | |
| Anterior Tibial Vein | | | | |
| Peroneal Vein | | | | |
| Soleal Vein | | | | |
| Gastrocnemius | | | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | | | Patent | Incompetent |
| L Saphenous Vein Above | | | Patent | Incompetent |
| L Saphenous Vein Below | | | Patent | Incompetent |
| Vein of Giacomini | | | Patent | Incompetent |
| Saphenopopliteal Junction | | | Not Identified | |
| S Saphenous Vein | | | Patent | Incompetent |
| Evidence of D.V.T. | | | | |
| Above the knee | | | | |
| Popliteal | | | | |
| Below the knee | | | | |

Notes**LEFT LOWER LIMB VENOUS DUPLEX ASSESSMENT**

Iliac veins not viewed. Deep veins assessed on the 5/5/21 and calf DVT identified. See vein map report for LSV and SSV Transverse (AP) dimensions.

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

LEFT

Sapheno-femoral junction (SFJ) is incompetent. Long Saphenous vein (LSV) is incompetent in the thigh and along its length. LSV leaves the fascia in the mid thigh at 54 cm MM and becomes slightly tortuous to knee level. Incompetent branches to the LSV seen in the calf at 26, 22 and 18 cm MM.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is incompetent along its

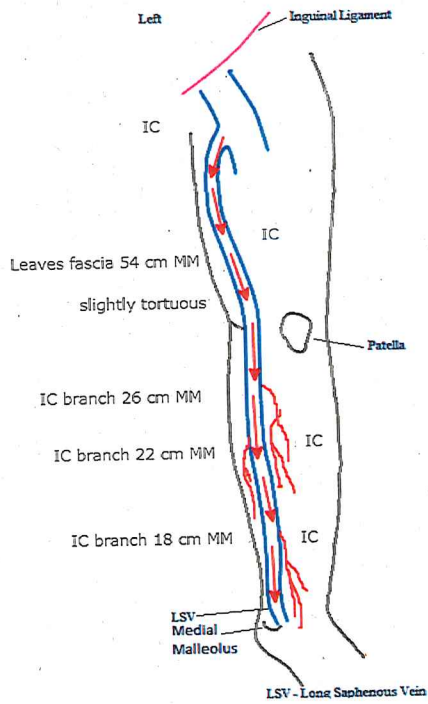
Assessed by Rebecca Patton

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Checked by

25/5/21 212

length with an incompetent branch identified at 12 cm proximal to the lateral malleolus.



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Checked by

Reason

Varicose vein

Outcome

DVT negative, Incompetence - deep, Incompetence - superficial

22/7/21 2 1/2

| | Right | | Left | |
|---------------------------|----------------|-------------|----------------|-----------------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| 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 | Isolated Incompetence |
| Profunda Vein | Widely Patent | Competent | Widely Patent | Competent |
| Superficial Femoral Vein | Widely Patent | Incompetent | Widely Patent | Slight Incompetence |
| Popliteal Vein | Widely Patent | Incompetent | Widely Patent | Slight Incompetence |
| 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 | Widely Patent | | Widely Patent | |
| Gastrocnemius | Widely Patent | | Widely Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | Patent | Incompetent |
| L Saphenous Vein Above | Patent | Competent | Patent | Incompetent |
| L Saphenous Vein Below | Not Identified | | Not Identified | |
| Vein of Giacomini | Not Identified | | Not Identified | |
| Saphenopopliteal Junction | Patent | Incompetent | Patent | Competent |
| S Saphenous Vein | Patent | Incompetent | Patent | Competent |
| 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
RIGHT**

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

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

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh. LSV becomes tortuous and difficult to trace in the calf with multiple branches.

Sapheno-popliteal junction (SPJ) is large calibre and incompetent. Short Saphenous vein (SSV) is

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incompetent long its length with multiple branches identified at 20 and 14 cm MM in the mid calf.

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Transverse (AP) dimensions of SSV:

Proximal calf- 1.0 cm,

Mid calf - 0.79 cm,

LEFT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised deep veins appear widely patent with no evidence of previous DVT. Isolated incompetence identified in the common femoral vein. Superficial femoral vein is slightly incompetent along its length. All other deep veins are competent.

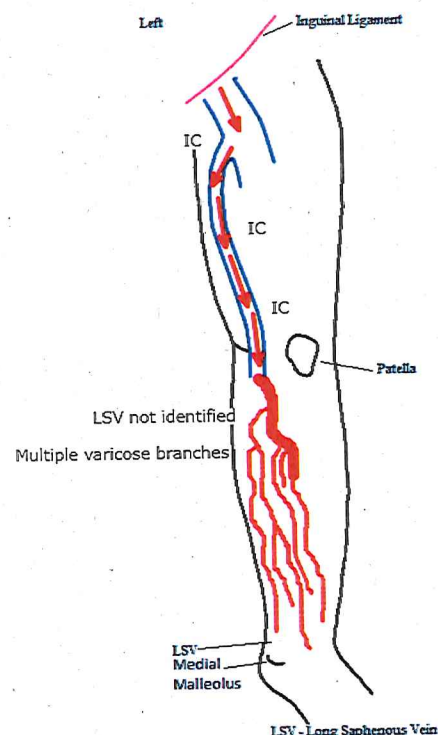
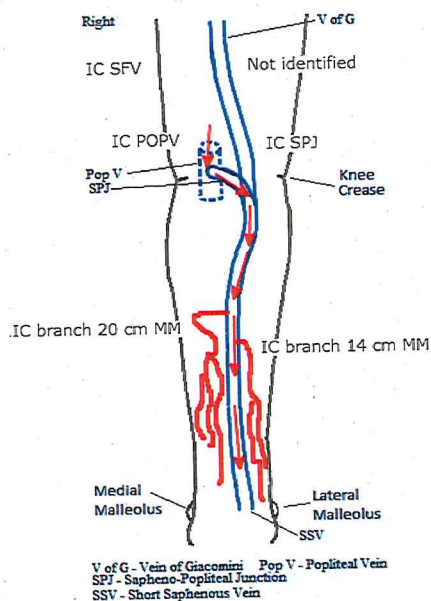
Sapheno-femoral junction (SFJ) is incompetent. Long Saphenous vein (LSV) is of very large calibre just distal to the junction (transverse AP 2.4 cm) . LSV is incompetent in the thigh. Vein varying in diameter but is linear. At 29 MM in the proximal calf there is a large incompetent branch and distal to this the LSV is not identified and there are multiple varicose branches forming visible medial calf varicosities. Sapheno-popliteal junction (SPJ) is competent. Short Saphenous vein (SSV) is competent along its length.

Transverse (AP) dimensions of LSV:

Proximal thigh- 0.91 cm,

Mid thigh - 0.78 cm,

Distal thigh - 0.78 cm.



Reason

Ulceration, Varicose vein

22/7/21 113

Outcome

DVT negative, DVT positive - chronic, Superficial oedema, Incompetence - deep, Venous scarring, Incompetence - superficial

Right

| Deep Veins | Patency | Competency |
|--------------------------|---------------|------------|
| Common Iliac Vein | Not Assessed | |
| External Iliac Vein | Not Assessed | |
| Internal Iliac Vein | Not Assessed | |
| Common Femoral Vein | Widely Patent | Competent |
| Profunda Vein | Widely Patent | Competent |
| Superficial Femoral Vein | Widely Patent | Competent |
| Popliteal Vein | Widely Patent | Competent |
| Posterior Tibial Vein | Patent | Competent |
| Anterior Tibial Vein | Patent | Competent |
| Peroneal Vein | Patent | Competent |
| Soleal Vein | | |
| Gastrocnemius | Patent | |

Left

| Patency | Competency |
|----------------|----------------|
| Not Assessed | |
| Not Assessed | |
| Not Assessed | |
| Widely Patent | Incompetent |
| Widely Patent | |
| Irregular flow | ? Old Thrombus |
| Patent | Incompetent |
| Patent | Incompetent |
| Patent | Incompetent |
| Patent | Incompetent |
| Patent | |

Superficial Veins

| | | | | |
|---------------------------|-------------------|-------------|----------------|-----------|
| Saphenofemoral Junction | Patent | Competent | Not Identified | |
| L Saphenous Vein Above | Patent | Incompetent | Not Identified | |
| L Saphenous Vein Below | Patent | Incompetent | Not Identified | |
| Vein of Giacomini | Patent | Competent | Patent | Competent |
| Saphenopopliteal Junction | Not Identified | | Not Identified | |
| S Saphenous Vein | Areas of Thrombus | Competent | Patent | Competent |

Evidence of D.V.T.

| | | | |
|----------------|----|-----|-----|
| Above the knee | No | Yes | Old |
| Popliteal | No | No | |
| Below the knee | No | No | |

Notes

BILATERAL LOWER LIMB VENOUS DUPLEX ASSESSMENT

*Patient reports previous ? venous stripping in the left leg.

RIGHT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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.

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

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is incompetent from the proximal thigh ? damaged valve. LSV remains incompetent along its length with an incompetent branch

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Printed on 22/07/2021 at 1:41 pm

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identified at 26 cm MM in the mid calf.

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Transverse (AP) dimensions of LSV:

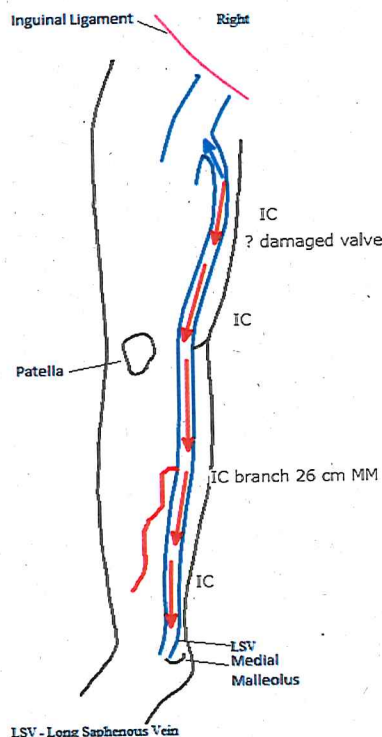
Proximal thigh- 0.57 cm,
Mid thigh - 0.42 cm,
Distal thigh - 0.43 cm.
Proximal calf- 0.35 cm,
Mid calf - 0.22 cm,
Distal calf - 0.26 cm.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini. Chronic wall thickening identified in sections of the SSV.

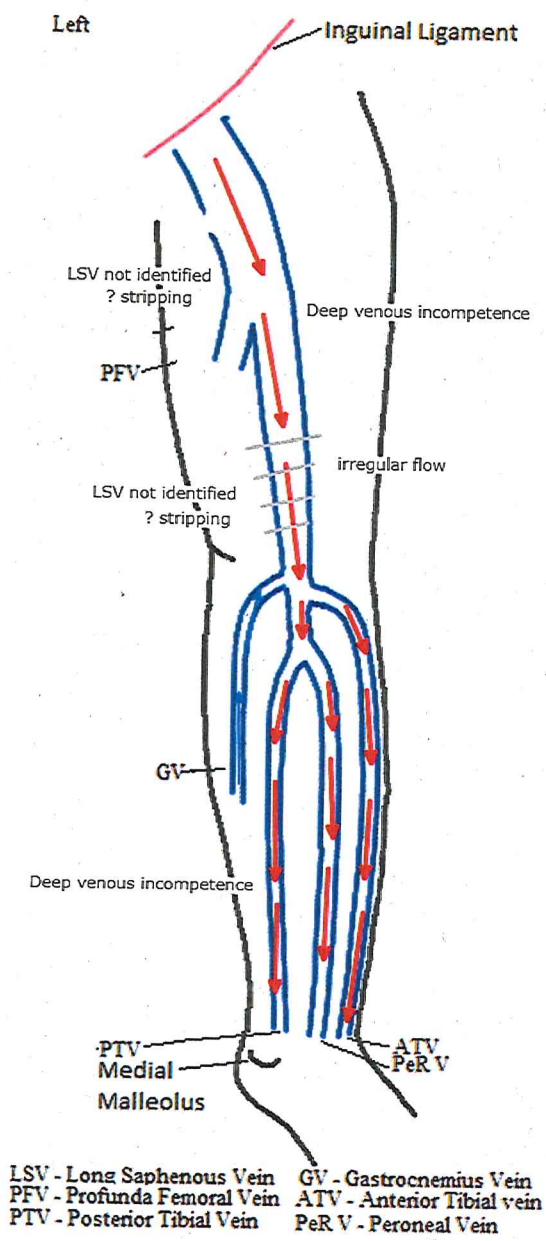
LEFT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. Common femoral vein is patent and incompetent. Profunda vein is patent. Superficial femoral is incompetent with irregular flow identified in the mid-distal thigh ? old thrombus. Popliteal vein is patent and incompetent. Calf veins appear patent and incompetent.

Sapheno-femoral junction (SFJ) is not identified. Long Saphenous vein (LSV) is not identified along its length ? previous stripping. Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



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Reason Varicose vein

Outcome DVT negative, Chronic Superficial thrombophlebitis, Incompetence - superficial

2017/21 112

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

Notes**RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT**

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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.

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

RIGHT

Sapheno-femoral junction (SFJ) is incompetent. There is an incompetent anterior thigh vein that is linear in the proximal thigh between 82-72 cm MM (transverse AP dimensions 0.74 cm) distal to this the anterior thigh vein becomes tortuous with multiple branches tracking down the anterior thigh. Long Saphenous vein

Assessed by Rebecca Patton

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(LSV) is incompetent in the proximal-mid thigh with incompetent branches noted at 56 cm and 48 cm MM. Incompetent branch at 48 cm MM forms varicosities behind the knee with non occlusive chronic superficial thrombophlebitis identified within them. Distal to the incompetent branch at 48 cm MM the LSV becomes smaller calibre and competent in the distal thigh and proximal calf. There is an incompetent branch at 26 cm MM in the mid calf and distal to this the LSV becomes incompetent to ankle.

2017121
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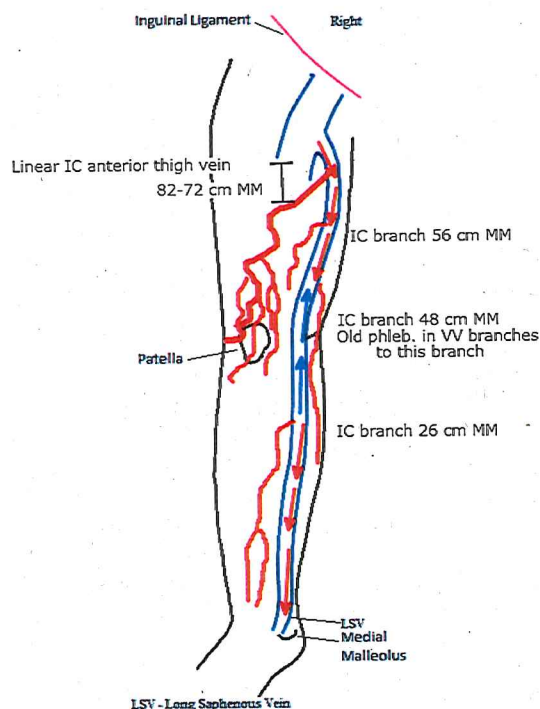
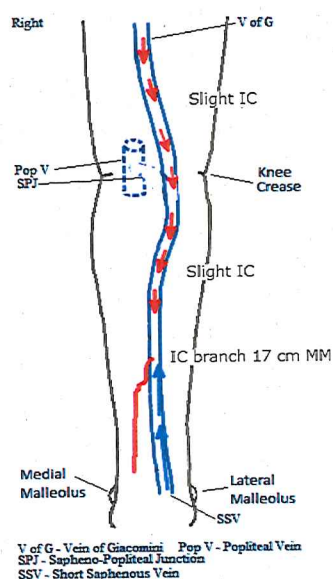
Transverse (AP) dimensions of LSV:

Proximal thigh- 0.92 cm,
Mid thigh - 0.82 cm,
Distal thigh - 0.47 cm.
Proximal calf- 0.47cm,
Distal calf - 0.3cm.

Sapheno-popliteal junction (SPJ) was not identified. Vein of Giacomini and proximal SSV are slightly incompetent. Incompetent branch noted to the SSV at 17 cm MM. Distal to this the SSV becomes competent.

Transverse (AP) dimensions of SSV:

Proximal calf- 0.46 cm,
Mid calf - 0.54 cm,



Reason

Ulceration

Outcome

DVT negative, Incompetence - superficial

191712 112

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

Notes**RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT**

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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.

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

RIGHT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the proximal thigh. Incompetent branch seen in the mid thigh at 49 cm MM, distal to this the LSV is incompetent to the proximal calf. At 21 cm MM there is an incompetent branch in the proximal calf and distal to this the LSV is

Assessed by Rebecca Patton

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very small calibre and competent to ankle.

Transverse (AP) dimensions of LSV:

Proximal thigh- 0.28 cm,

Mid thigh - 0.35 cm,

Distal thigh - 0.37 cm.

Proximal calf- 0.19 cm,

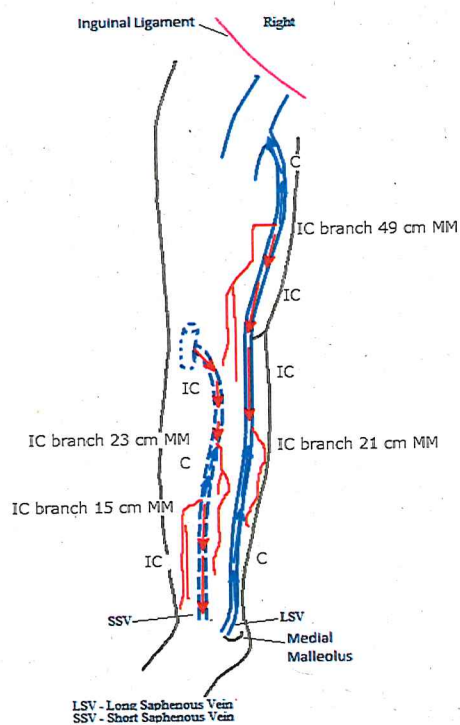
Sapheno-popliteal junction (SPJ) is incompetent. Short Saphenous vein (SSV) is incompetent in the proximal calf. There is an incompetent branch at 23 cm MM and distal to this the SSV becomes competent for a short section in the mid calf to 15 cm MM where there is another incompetent branch and the SSV is then incompetent to ankle.

Transverse (AP) dimensions of SSV:

Proximal calf- 0.37 cm,

Mid calf - 0.36 cm,

Distal calf - 0.17 cm.



Reason Ulceration
Outcome DVT equivocal, Superficial oedema, Competent

19/7/21 1/2

| | Right | | Left | |
|---------------------------|-------------------|------------|---------|------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| Common Iliac Vein | Not Assessed | | | |
| External Iliac Vein | Not Assessed | | | |
| Internal Iliac Vein | Not Assessed | | | |
| Common Femoral Vein | Widely Patent | Competent | | |
| Profunda Vein | Widely Patent | Competent | | |
| Superficial Femoral Vein | Widely Patent | Competent | | |
| Popliteal Vein | Widely Patent | Competent | | |
| Posterior Tibial Vein | Poor Flow | | | |
| Anterior Tibial Vein | Patent | Competent | | |
| Peroneal Vein | Poor Flow | | | |
| Soleal Vein | | | | |
| Gastrocnemius | Patent | | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | | |
| L Saphenous Vein Above | Patent | Competent | | |
| L Saphenous Vein Below | Patent | Competent | | |
| Vein of Giacomini | | | | |
| Saphenopopliteal Junction | Patent | Competent | | |
| S Saphenous Vein | Patent where seen | Competent | | |
| Evidence of D.V.T. | | | | |
| Above the knee | No | | | |
| Popliteal | No | | | |
| Below the knee | Cannot Exclude | | | |

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent and competent with no evidence of previous DVT. Unable to assess distal calf veins due to ulceration and dressings, unable to exclude calf DVT from this assessment

RIGHT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is very small calibre and competent in the thigh and along its length.

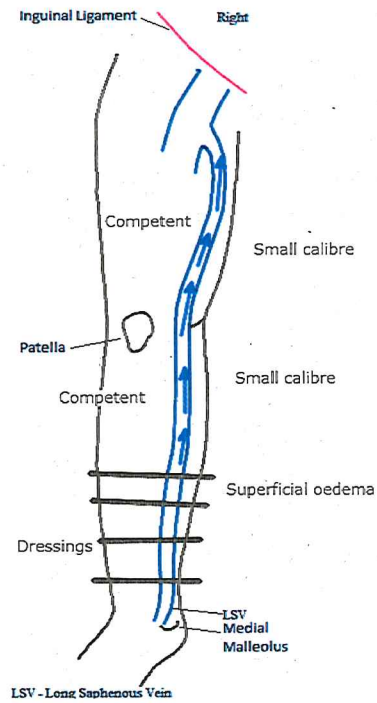
Sapheno-popliteal junction (SPJ) is competent. Short Saphenous vein (SSV) is competent in the proximal-mid calf. Unable to assess SSV in the distal calf due to dressings.

Assessed by Rebecca Patton

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Reason Varicose vein

Outcome DVT equivocal, Superficial thrombophlebitis, Competent, Incompetence - superficial

13/7/21 112

| | Right | | Left | |
|---------------------------|---------|------------|-------------------|-----------------------|
| Deep Veins | Patency | Competency | Patency | Competency |
| Common Iliac Vein | | | Not Assessed | |
| External Iliac Vein | | | Not Assessed | |
| Internal Iliac Vein | | | Not Assessed | |
| Common Femoral Vein | | | Widely Patent | Competent |
| Profunda Vein | | | Widely Patent | Competent |
| Superficial Femoral Vein | | | Widely Patent | Competent |
| Popliteal Vein | | | Widely Patent | Competent |
| Posterior Tibial Vein | | | Not Identified | |
| Anterior Tibial Vein | | | Not Identified | |
| Peroneal Vein | | | Not Identified | |
| Soleal Vein | | | | |
| Gastrocnemius | | | Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | | | Patent | Competent |
| L Saphenous Vein Above | | | Patent | Isolated Incompetence |
| L Saphenous Vein Below | | | Not Identified | |
| Vein of Giacomini | | | Patent | Competent |
| Saphenopopiteal Junction | | | Patent | Competent |
| S Saphenous Vein | | | Patent where seen | Competent where seen |
| Evidence of D.V.T. | | | | |
| Above the knee | | | No | |
| Popliteal | | | No | |
| Below the knee | | | Cannot Exclude | |

Notes

LEFT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent with no evidence of previous DVT. Unable to assess calf veins due to dressings and ulceration-unable to exclude calf DVT.

Small section of superficial thrombophlebitis seen in a varicose vein in the proximal calf.

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

LEFT

Assessed by Rebecca Patton

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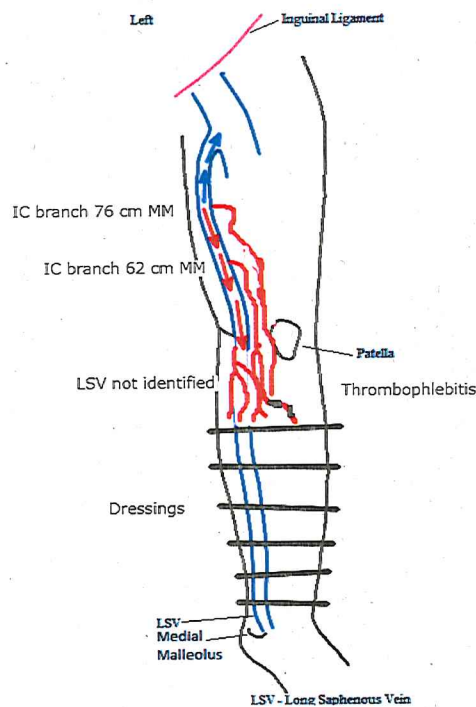
Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh to 76 cm MM where there is an incompetent branch. Distal to this the LSV becomes incompetent along the length of the thigh with another incompetent branch identified at 62 cm MM in the mid thigh. LSV becomes tortuous with multiple branches at the level of the knee- unable to identify LSV in the proximal calf.

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Transverse (AP) dimensions of LSV:

Proximal thigh- 0.53 cm,
Mid thigh - 0.64 cm,
Distal thigh - 0.68 cm.
Proximal calf- not identified

Sapheno-popliteal junction (SPJ) is competent. Vein of Giacomini is competent. Short Saphenous vein (SSV) is competent in the proximal calf. Unable to assess in the mid-distal calf due to dressings and ulceration.



Reason Ulceration
Outcome DVT equivocal, Competent, Venous scarring

717121 112

| | Right | | Left | |
|---------------------------|-------------------|----------------------|---------|------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| Common Iliac Vein | Not Assessed | | | |
| External Iliac Vein | Not Assessed | | | |
| Internal Iliac Vein | Not Assessed | | | |
| Common Femoral Vein | Widely Patent | Competent | | |
| Profunda Vein | Widely Patent | Competent | | |
| Superficial Femoral Vein | Widely Patent | Competent | | |
| Popliteal Vein | Widely Patent | Competent | | |
| Posterior Tibial Vein | Not Identified | Dressings | | |
| Anterior Tibial Vein | Not Identified | Dressings | | |
| Peroneal Vein | Not Identified | Dressings | | |
| Soleal Vein | Not Identified | Dressings | | |
| Gastrocnemius | Not Identified | Dressings | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | | |
| L Saphenous Vein Above | Patent | Competent | | |
| L Saphenous Vein Below | Patent where seen | Competent where seen | | |
| Vein of Giacomini | Patent | Competent | | |
| Saphenopopliteal Junction | Not Identified | | | |
| S Saphenous Vein | Patent where seen | Competent where seen | | |
| Evidence of D.V.T. | | | | |
| Above the knee | No | | | |
| Popliteal | No | | | |
| Below the knee | Cannot Exclude | | | |

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh. Areas of venous wall thickening identified. LSV remains competent in the proximal calf. Unable to assess mid-distal calf due to ulceration and dressings.

Sapheno-popliteal junction (SPJ) was not identified. Vein of Giacomini is patent and competent. Short Saphenous vein (SSV) is competent in the proximal calf. Unable to assess mid-distal calf due to dressings

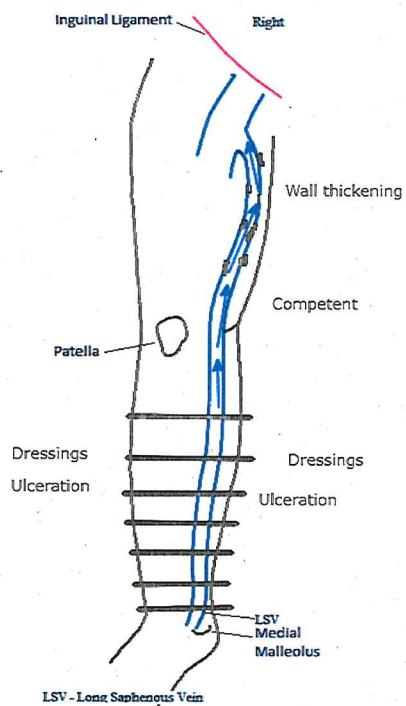
Assessed by Rebecca Patton

Printed on 07/07/2021 at 10:31 am

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and ulceration.

717121 212



Reason Varicose vein
Outcome DVT negative, Widely patent, Incompetence - superficial

16/5/21 1/2

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

Notes

LEFT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and 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.

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

LEFT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh and proximal calf. Small incompetent branch seen in the mid calf at 19 cm MM and distal to this the LSV becomes incompetent to ankle. Small incompetent perforator to varicosities noted at 21 cm in the mid calf.

Assessed by Rebecca Patton

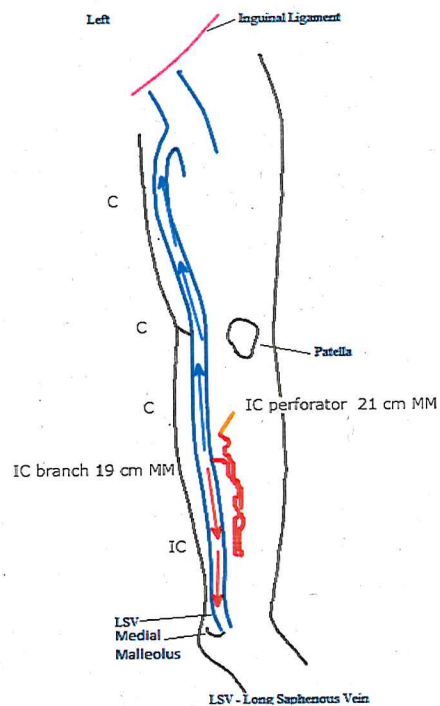
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Transverse (AP) dimensions of LSV:

Proximal calf- 0.31 cm,
Mid calf - 0.22 cm,
Distal calf - 0.23 cm.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



| | Right | | Left | |
|---------------------------|---------------|------------|---------------|------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| 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 | Patent | Competent |
| Profunda Vein | Widely Patent | Competent | Patent | Competent |
| Superficial Femoral Vein | Widely Patent | Competent | 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 | Widely Patent | | Widely Patent | |
| Gastrocnemius | Widely Patent | | Widely Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Competent | Patent | Competent |
| L Saphenous Vein Above | Patent | Competent | Patent | Competent |
| L Saphenous Vein Below | Patent | Competent | Patent | Competent |
| Vein of Giacomini | Patent | Competent | Patent | Competent |
| Saphenopopliteal Junction | | | | |
| S Saphenous Vein | Patent | Competent | Patent | Competent |
| 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 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

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh and along length.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.

Assessed by Rebecca Patton

Printed on 04/07/2021 at 5:35 pm

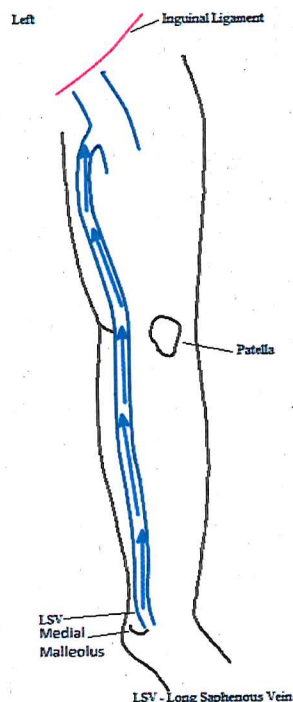
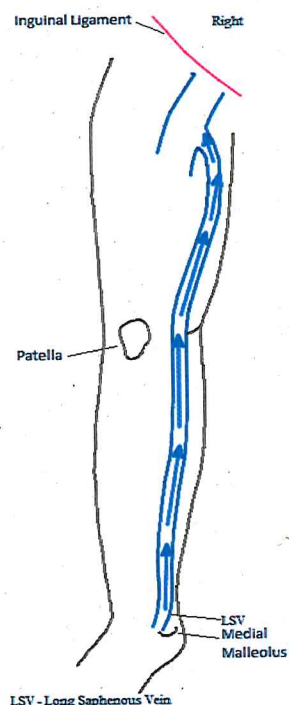
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26/5/21 212

LEFT

Sapheno-femoral junction (SFJ) is competent. Long Saphenous vein (LSV) is competent in the thigh and along length.

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



Reason Routine, Varicose vein
Outcome DVT equivocal, Superficial oedema, Incompetence - superficial

716121 1/2

| | Right | | Left | |
|---------------------------|----------------|-----------------------|----------------|-------------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| Common Iliac Vein | Not Assessed | | | |
| External Iliac Vein | Not Assessed | | | |
| Internal Iliac Vein | Not Assessed | | | |
| Common Femoral Vein | Widely Patent | Competent | | |
| Profunda Vein | Widely Patent | Competent | | |
| Superficial Femoral Vein | Widely Patent | Competent | | |
| Popliteal Vein | Widely Patent | Competent | | |
| Posterior Tibial Vein | Poor Flow | | | |
| Anterior Tibial Vein | Poor Flow | | | |
| Peroneal Vein | Poor Flow | | | |
| Soleal Vein | | | | |
| Gastrocnemius | Patent | | | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | Patent | Slight Incompetence | | |
| L Saphenous Vein Above | Patent | Competent | | |
| L Saphenous Vein Below | Patent | Competent | | |
| Vein of Giacomini | Patent | Competent | | |
| Saphenopopliteal Junction | Not Identified | | | |
| S Saphenous Vein | Patent | Isolated Incompetence | | |
| Evidence of D.V.T. | | | | |
| Above the knee | No | | | |
| Popliteal | No | | | |
| Below the knee | Cannot Exclude | | | |

Notes

RIGHT LOWER LIMB VENOUS DUPLEX ASSESSMENT

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent and competent with no evidence of previous DVT. Poor colour filling of the anterior tibial, peroneal and posterior tibial veins due to swelling and oedema, unable to exclude calf DVT from this assessment.

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

RIGHT

Sapheno-femoral junction (SFJ) is slightly incompetent. Long Saphenous vein (LSV) is competent in the

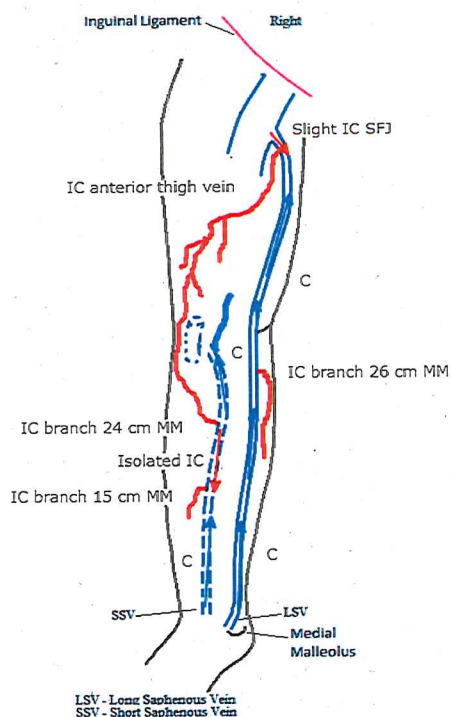
Assessed by Rebecca Patton

Printed on 04/07/2021 at 5:33 pm

Checked by _____

thigh. LSV remains competent in the calf with an incompetent branch noted in the proximal calf at 26 cm MM. There is an incompetent anterior thigh vein identified with multiple incompetent branches that track antero-laterally and communicate with the SSV at 24 cm MM in the proximal calf. Distal to this the SSV becomes incompetent for a short section before becoming competent again at 15 cm MM to ankle. Sapheno-popliteal junction (SPJ) was not identified, vein of Giacomini is small and competent.

716121 212



Reason Varicose vein
Outcome DVT equivocal, Poor images, Incompetence - superficial

716/21 112

| | Right | | Left | |
|---------------------------|----------------|-------------------|----------------|---------------------|
| | Patency | Competency | Patency | Competency |
| Deep Veins | | | | |
| Common Iliac Vein | | | Not Assessed | |
| External Iliac Vein | | | Not Assessed | |
| Internal Iliac Vein | | | Not Assessed | |
| Common Femoral Vein | | | Widely Patent | Competent |
| Profunda Vein | | | Widely Patent | Competent |
| Superficial Femoral Vein | | | Widely Patent | Competent |
| Popliteal Vein | | | Widely Patent | Competent |
| Posterior Tibial Vein | | | Poor Flow | |
| Anterior Tibial Vein | | | Patent | Competent |
| Peroneal Vein | | | Patent | Competent |
| Soleal Vein | | | | |
| Gastrocnemius | | | Patent | |
| Superficial Veins | | | | |
| Saphenofemoral Junction | | | Not Identified | |
| L Saphenous Vein Above | | | Not Identified | |
| L Saphenous Vein Below | | | Not Identified | |
| Vein of Giacomini | | | Not Identified | |
| Saphenopopiteal Junction | | | Patent | Competent |
| S Saphenous Vein | | | Patent | Slight Incompetence |
| Evidence of D.V.T. | | | | |
| Above the knee | | | No | |
| Popliteal | | | No | |
| Below the knee | | | Cannot Exclude | |

Notes

LEFT LOWER LIMB VENOUS DUPLEX ASSESSMENT

*Patient reports previous left venous surgery ? vein stripping

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent and competent with no evidence of previous DVT. Poor images of the posterior tibial veins due to skin condition, unable to exclude calf DVT.

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

LEFT

Sapheno-femoral junction (SFJ) is not identified. Neovascularisation seen in the groin. Long Saphenous vein

Assessed by Rebecca Patton

Printed on 04/07/2021 at 5:33 pm

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(LSV) is not identified along its length ? previous vein stripping. Multiple tortuous varicose branches see in the medial thigh.

Sapheno-popliteal junction (SPJ) is competent. Short Saphenous vein (SSV) is slightly competent with multiple incompetent branches noted at 26, 22 and 12 cm MM forming posterior calf varicosities

Transverse (AP) dimensions of SSV:

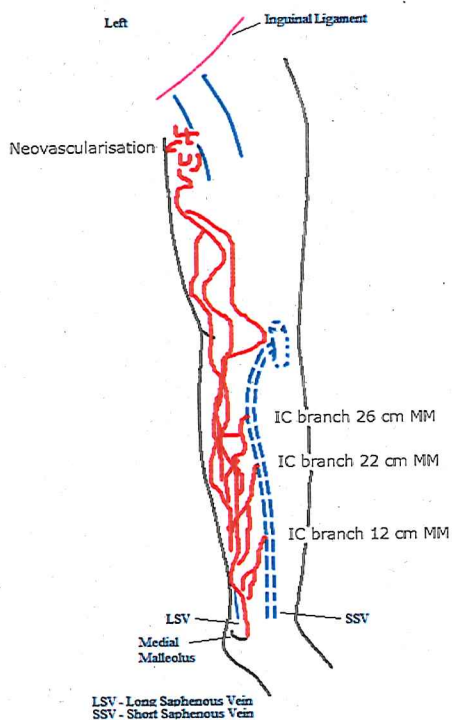
Proximal calf - 0.4 cm,

Mid calf - 0.4 cm,

Distal calf - 0.4 cm.

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Reason Varicose vein
Outcome DVT equivocal, Poor images, Incompetence - superficial

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| Right | | Left | |
|---------------------------|---------|----------------|-------------|
| Deep Veins | Patency | Competency | |
| Common Iliac Vein | | Not Assessed | |
| External Iliac Vein | | Not Assessed | |
| Internal Iliac Vein | | Not Assessed | |
| Common Femoral Vein | | Widely Patent | |
| Profunda Vein | | Widely Patent | |
| Superficial Femoral Vein | | Widely Patent | |
| Popliteal Vein | | Widely Patent | |
| Posterior Tibial Vein | | Widely Patent | |
| Anterior Tibial Vein | | Not Assessed | dressings |
| Peroneal Vein | | Poor Flow | |
| Soleal Vein | | | |
| Gastrocnemius | | Patent | |
| Superficial Veins | | | |
| Saphenofemoral Junction | | Patent | Incompetent |
| L Saphenous Vein Above | | Patent | Incompetent |
| L Saphenous Vein Below | | Not Identified | |
| Vein of Giacomini | | Patent | Competent |
| Saphenopopliteal Junction | | | |
| S Saphenous Vein | | Patent | Competent |
| Evidence of D.V.T. | | | |
| Above the knee | | No | |
| Popliteal | | No | |
| Below the knee | | Cannot Exclude | |

Notes

LEFT LOWER LIMB VENOUS DUPLEX ASSESSMENT

* Patient reports previous varicose vein surgery.

Iliac veins not viewed. Flow in the common femoral vein is phasic with respiration and a normal response on Valsalva manoeuvre, suggesting proximal vein patency. All visualised proximal deep veins appear widely patent and competent with no evidence of previous DVT. Unable to assess anterior tibial veins due to ulceration and dressings. Poor flow in the peroneal veins due to poor tissue resolution and therefore unable to exclude a calf DVT.

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

LEFT

Assessed by Rebecca Patton

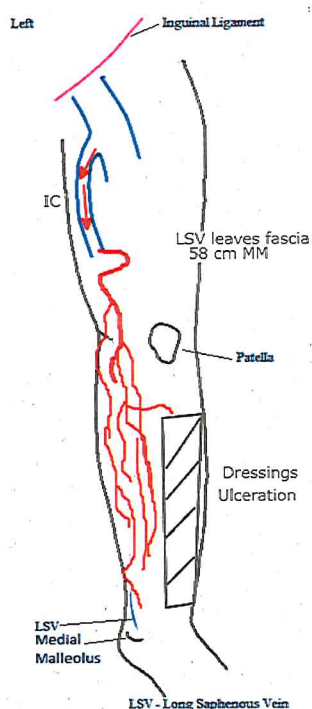
Printed on 04/07/2021 at 5:32 pm

Checked by

Sapheno-femoral junction (SFJ) is incompetent. Long Saphenous vein (LSV) is incompetent in the proximal thigh. LSV leaves the fascia at 58 cm MM in the mid thigh where it becomes tortuous with multiple incompetent branches. LSV is not identified in the calf.

Transverse (AP) dimensions of LSV:
Proximal thigh- 0.8 cm,

Sapheno-popliteal junction (SPJ) was not identified. Short Saphenous vein (SSV) is competent and is continuous with a competent vein of Giacomini.



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