

LOWER EXTREMITY VENOUS (LEV)

Patient Prep (recommended):

1. None.

Survey:

Perform a real time survey of the Lower Extremity Venous System with attention to Common Femoral Vein (CFV), Greater Saphenous Vein (GSV) with junction of CFV, Greater Saphenous Vein (GSV), Profunda Femoral Vein (PFV), Femoral Vein (proximal, mid and distal), Popliteal Vein (PV) and into Peroneal Trunk.

Limitations with images should be documented.

Image Documentation:

Each image must be labeled with the patient's full name, medical record number, accession number, initials of the imaging technologist, organ/area identification, scanning plane and patient orientation if different from supine.

General Procedure Description:

1. If the exam is ordered unilateral the contralateral Common Femoral Vein must be evaluated.
2. The patient needs to be in the supine position. The head can be slightly elevated.
3. The Right (RT) or Left (LT) side needs to be documented on each image.
4. The flow of the venous waveform needs to be evaluated for spontaneity and phasicity.
5. The venous system will be evaluated for augmentation. The image will need to have the word augmentation (aug) on the image.
6. The venous system will be evaluated for compression. The image will need to have the word compression (comp) on the image.
7. If the vessel is abnormal the correct labeling needs to on the image.

VENOUS SYSTEM

1. Longitudinal Color images:
 - a. Common Femoral Vein (CFV)
 - b. Greater Saphenous Vein (GSV) at junction of Common Femoral Vein (CFV)
 - c. Greater Saphenous Vein (GSV) mid-thigh
 - d. Profunda Femoral Vein (PFV)
 - e. Femoral Vein (proximal, mid and distal)
 - f. Popliteal Vein (PV)
 - g. Popliteal Vein (PV) and into Peroneal Trunk
2. Longitudinal Color images with Spectral Doppler Waveform and Augmentation
 - a. Common Femoral Vein (CFV)
 - b. Greater Saphenous Vein (GSV) at junction of common Femoral Vein (CFV)
 - c. Greater Saphenous Vein (GSV) mid-thigh
 - d. Profunda Femoral Vein (PFV)
 - e. Femoral Vein (proximal, mid and distal)
 - f. Popliteal Vein (PV)
 - g. Popliteal Vein (PV) and into Peroneal Trunk

3. Transverse Compression with grayscale (utilize dual screen with non-compression on one screen and compression on the other screen.
 - a. Common Femoral Vein (CFV)
 - b. Greater Saphenous Vein (GSV) at junction of common Femoral Vein (CFV)
 - c. Greater Saphenous Vein (GSV) mid-thigh
 - d. Profunda Femoral Vein (PFV)
 - e. Femoral Vein (proximal, mid and distal)
 - f. Popliteal Vein (PV)
 - g. Popliteal Vein (PV) and into Peroneal Trunk
 - h. Gastrocnemius Veins (Gastroc)
 - i. Posterior Tibia Veins
 - j. Peroneal Veins

WORKSHEET

Information to place in box on worksheet.

N=Normal

A=Abnormal

P= Partial Compression

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