Overview

• Evaluate for the presence of and location of DVT, assess function of the deep vein valves, evaluate in inferior vena cava

• The use of fluoroscopic systems for interventional purposes is restricted to radiologists and individuals to whom a physician has delegated authority pursuant to the Occupations Code, Chapter 601, and the applicable rules of the Texas Medical Board.

Indications

• Evaluate for DVT

• Assess function of deep vein valves

• Evaluate the inferior vena cava

• Assists in the advance of wires and catheters for EVLT procedures

Examination Time

• 30 minutes

Patient Preparation

• Obtain informed consent

• Question for allergies

Equipment

• Siemens C-arm

• Omnipaque 350

• Syringes

• IV extension tubing
• Various catheters and wires

**Patient Position & Imaging Field**

• Supine

**Acquisition Protocol - Routine Study**

• Radiologist and/or technologist performs fluoroscopy and acquires images

• Radiologist and/or technologist injects contrast

**Data Processing**

• Technologist will send images taken to PACS (Picture Archiving and Communication System).

• Technologist will enter exposure time in the appropriate field of RIS (Radiology Information System).

• Technologist will enter DAP (Dose Area Product) and SEE (Skin Entrance Exposure) into the technologist notes field of the RIS.

**Radiation Exposure levels**

• Recommended operator guidance reference level for this fluoroscopically guided interventional procedure is 60 minutes beam-on time. Threshold reference level is a SEE of 5 Gy (Gray).

• Radiation Exposure levels are monitored through the Austin Radiological Association’s monthly technologist QA process.

• If the reference level is exceeded, further analysis will be performed by the Protocol Committee and appropriate action taken to include possible patient follow-up.

**Protocol Review**

• Not to exceed 14 months.

Reviewed and Revised September 21, 2023