Austin Radiological Association
Interventional Fluoro Procedure
Lower Extremity Venogram

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 300
• 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 Dose Area Product in the appropriate field of RIS (Radiology Information System).
• Technologist will enter Fluoro Time 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 March 13, 2020