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 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 January 26, 2024