Upper Extremity Venogram

Overview

- Assesses blockage, lesions, or thrombosis in the veins of the arms, neck, and axillary region.
- 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 blockage
- Evaluate for lesions
- Evaluate for thrombosis

Examination Time

- 30 minutes

Patient Preparation

- Obtain informed consent
- Question for allergies

Equipment

- Siemens C-arm
- Omnipaque 350
- Syringes
• IV extension tubing

**Patient Position & Imaging Field**

• Supine

**Acquisition Protocol - Routine Study**

• Radiologist performs fluoroscopy and acquires images
• Technologist injects contrast as instructed by Radiologist

**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