



Austin Radiological Association
Interventional Fluoro Procedure
PICC Line Insertion

Overview

- Venous access by peripherally inserted central catheter (PICC)
- 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

- Venous access
- Used in the treatment of different types of cancer
- Antibiotics

Examination Time

- 60 minutes

Patient Preparation

- Obtain informed consent
- Question for allergies

Equipment

- Siemens C-arm
- SonoSite
- Sterile pack

Patient Position & Imaging Field

- Supine
- Arm being used is supinated and placed out away from patient

Acquisition Protocol - Routine Study

- Radiologist and/or technologist performs fluoroscopy while placing PICC

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

Reviewed: 1/26/2024
Revised:

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