Austin Radiological Association
Interventional Fluoro Procedure
Atherectomy with angioplasty and possible stent

Overview

• Evaluate and treat peripheral vascular disease

• 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

• Claudication

• Leg numbness or weakness

• Cold leg or foot

• Non-healing ulcers

• Weak or no pulse in legs or feet

Examination Time

• 150 minutes

Patient Preparation

• Labs completed in house the day of procedure

• Nothing to eat or drink 4 hours before procedure

• Blood thinner continuation depends on performing radiologist

• Obtain informed consent

• Question for allergies
**Equipment**

- Siemens C-arm
- Sterile pack
- Omnipayque 350
- Various catheters and wires
- Power injector
- Atherectomy device
- Various balloons and stents

**Patient Position & Imaging Field**

- Supine

**Acquisition Protocol - Routine Study**

- Radiologist performs fluoroscopy and acquires images

**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) in the technologist notes of the RIS (Radiology Information System).

**Radiation Exposure levels**

- Recommended operator guidance reference level for this fluoroscopically guided interventional procedure is 90 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