



**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
- Omnipaque 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 January 26, 2024