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
• 2.5 hours

Patient Preparation
• Labs completed within one month of procedure
• Nothing to eat or drink 4 hours before procedure
• Stop blood thinners 5 days before procedure
• Obtain informed consent
• Question for allergies
Equipment

- Siemens C-arm
- Sterile pack
- Omnipaque 300
- 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) into the technologist notes field of the RIS.

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 March 4, 2019