Austin Radiological Association
Interventional Fluoro Procedure
Prostate Artery Embolization

Overview
• Evaluate and treat symptoms of benign prostatic hypertrophy
• 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
• Lower urinary tract symptoms related to benign prostatic hypertrophy
• Chronic indwelling catheter use
• Hematuria related to prostate

Examination Time
• 3 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
• Various size embolization beads

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 Dose Area Product in the appropriate field of RIS (Radiology Information System).
• Technologist will enter Fluoro Time 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 and Revised March 13, 2020, Reviewed February 5, 2021