



## **Austin Radiological Association**

### **Interventional Fluoro Procedure**

### **Geniculate Artery Embolization**

#### **Overview**

- Evaluate and treat hemarthrosis
- 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**

- Hemarthrosis following injury or knee replacement

#### **Examination Time**

- 180 minutes

#### **Patient Preparation**

- Labs completed in house the day 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 350
- Various size embolization beads
- Various catheters and wires
- Power injector

### **Patient Position & Imaging Field**

- Supine

### **Acquisition Protocol - Routine Study**

- Radiologist and/or technologist 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.

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