

## **STANDARD KNEE ARTHROGRAM**

FLUORO KVP – 70

PATIENT POSITION FOR FLUORO – SUPINE

CONTRAST AND OTHER SUPPLIES: 50mL OMNIPAQUE 300,  
ARTHROGRAM TRAY, STERILE GLOVES, 1% LIDOCAINE, ALCOHOL  
PREPS, MASKS, LEAD GLOVES AND APRONS.

### **GENERAL DESCRIPTION OF PROCEDURE AFTER SET-UP IS COMPLETE:**

- NO routine preliminary films are required.
- If preliminary films are required, the procedure for a routine knee should be followed.
- The radiologist will scrub the injection site with Betadine scrub.
- The technologist should assist the radiologist in drawing up the lidocaine and Omnipaque.
- The radiologist will drape the area and make all injections.
- Following the injection of the contrast, the radiologist will exercise the patient's knee for several minutes to disperse the contrast.
- The radiologist will then fluoroscope the patient's knee.
- Following the completion of fluoroscopy, the radiologist will instruct the technologist to perform overhead radiographs if needed.

### **KNEE ARTHROGRAM**

ROUTINE PROJECTIONS: PA KNEE, POSTEROMEDIAL OBLIQUE KNEE,  
POSTEROLATERAL OBLIQUE KNEE, LATERAL KNEE, LATERAL KNEE  
WITH 90 DEGREE FLEXION.

#### **PA KNEE:**

8 x 10  
BUCKY

LENGTHWISE  
44"

PATIENT POSITION: Prone, with the knee and leg in a true PA position.

CENTRAL RAY: Direct perpendicular to the film at a point ½" distal to the apex  
of the patella.

COLLIMATION: Collimate to the skin surface.

SHIELDING: Gonads on **ALL** patients.

### **POSTEROLATERAL OBLIQUE KNEE:**

8 x 10	LENGTHWISE
BUCKY	44"

PATIENT POSITION: From the prone position, invert the foot and rotate the entire leg 45 degrees medially.

CENTRAL RAY: Perpendicular, ½" below the apex of the patella.

COLLIMATION: Collimate to the skin surface.

SHIELDING: Gonads on **ALL** patients.

### **POSTEROLATERAL OBLIQUE KNEE:**

8 x 10	LENGTHWISE
BUCKY	44"

PATIENT POSITION: From the prone position, invert the foot and rotate the entire leg 45 degrees laterally.

CENTRAL RAY: Perpendicular, ½" below the apex of the patella.

COLLIMATION: Collimate to the skin surface.

SHIELDING: Gonads on **ALL** patients.

### **LATERAL KNEE:**

8 x 10	LENGTHWISE
BUCKY	44"

PATIENT POSITION: Turn the patient towards the affected side and adjust the knee in a true lateral position. Keep the knee extended.

CENTRAL RAY: Perpendicular to the knee joint.

COLLIMATION: Collimate to the skin surface.

SHIELDING: Gonads on **ALL** patients.

### **LATERAL KNEE WITH 90 DEGREE FLEXION:**

8 x 10	LENGTHWISE
BUCKY	44"

PATIENT POSITION: Turn the patient towards the affected side and adjust the knee in a true lateral position. Flex the knee 90 degree.

CENTRAL RAY: Perpendicular to the knee joint.

COLLIMATION: Collimate to the skin surface.

SHIELDING: Gonads on **ALL** patients.

## **CT KNEE ARTHROGRAM**

FLUORO KVP – 70

PATIENT POSITION FOR FLUORO – SUPINE

CONTRAST AND OTHER SUPPLIES: 50mL OMNIPAQUE 300, ARTHROGRAM TRAY, STERILE GLOVES, 1% LIDOCAINE, ALCOHOL PREPS, MASKS, LEAD GLOVES AND APRONS.

### **GENERAL DESCRIPTION OF PROCEDURE AFTER SET-UP IS COMPLETE:**

- NO routine preliminary films are required.
- If preliminary films are required, the procedure for a routine knee should be followed.
- The radiologist will scrub the injection site with Betadine scrub.
- The technologist should assist the radiologist in drawing up the lidocaine and Omnipaque. (10mL omnipaque and 10mL lidocaine)
- The radiologist will drape the area and make all injections.
- Following the injection of the contrast, the radiologist will exercise the patient's knee for several minutes to disperse the contrast.
- The radiologist will then fluoroscope and image the patient's knee.
- Following the completion of fluoroscopy, the radiologist will instruct the technologist to perform overhead radiographs if needed.
- The patient will be immediately escorted to the CT department.

## **MRI KNEE ARTHROGRAM**

FLUORO KVP – 70

PATIENT POSITION FOR FLUORO – SUPINE

CONTRAST AND OTHER SUPPLIES: 50mL OMNIPAQUE 300, ARTHROGRAM TRAY, STERILE GLOVES, 250 mL 0.9% SODIUM CHLORIDE, 2 mL GADILINIUM, 1% LIDOCAINE, ALCOHOL PREPS, MASKS, LEAD GLOVES AND APRONS.

### **GENERAL DESCRIPTION OF PROCEDURE AFTER SET-UP IS COMPLETE:**

- NO routine preliminary films are required.
- If preliminary films are required, the procedure for a routine knee should be followed.

- The radiologist will scrub the injection site with Betadine scrub.
- The technologist will inject 2 mL of gadolinium into the 250 mL 0.9% sodium chloride
- The technologist should assist the radiologist in drawing up the lidocaine and Omnipaque and the gadolinium mixture
- The radiologist will drape the area and make all injections.
- Following the injection of the contrast, the radiologist will exercise the patient's knee for several minutes to disperse the contrast.
- The radiologist will then fluoroscope and image the patient's knee.
- Following the completion of fluoroscopy, the radiologist will instruct the technologist to perform overhead radiographs if needed.
- The patient will be immediately escorted to the MRI department.

