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| **Fluoroscopy Protocol** | | |
| Title: | **Fluoroscopy Protocol: Arthrogram for CT** | PRO-FL-06 |
| Issuing Department/ Committee/Body: | Musculoskeletal Imaging Section | Effective From |
| 16 June 2023 |
| Until Next Updated |
| Policy Owner: | Lead Fluoroscopy Technologist or Radiologist Practitioner Assistant (RPA) | |
| Approval: | Musculoskeletal Imaging Section Physician Leads | |

**PROTOCOL**

The utilization of fluoroscopy equipment will be directed by the facility-credentialed medical provider performing the procedure.

**CPT CODE(S)**

73201

CONTRAINDICATIONS

Dental visit 3 days prior to injection, feeling ill or having a known infection, currently antibiotics, recent COVID vaccination

PATIENT INTERVIEW

The patient will be contacted prior to the scheduled examination to verbally complete the RIA Joint Injection & Arthrogram Technologist Pre-Appointment Contact Questionnaire.

**PREPARATION**

EQUIPMENT

May vary between sites.

* Contrast - Isovue 300/ Omnipaque 240
* 1% lidocaine (10mLs)
* **Preservative free** sterile saline (10mLs)
* Sterile tray
* Sterile Mayo Stand Cover
* Syringes - (20mL), (10mL), (2(5mL)
* Needles – (25G and 18G )1.5”, (22G 3.5”)
* Chlora Prep
* Drapes- Tower drape x 2, Patient drape with hole
* 4x4 gauze
* Extension tubing
* Sharpie and hemostat
* 2” tape to move any excess tissue or Panniculus
* Band-Aid
* Mask

PERSONNEL RESPONSIBILITIES

* The Radiologist or Radiologist Practitioner Assistant (RPA)
* Verifies order.
* Obtains the patient’s informed consent, confirming dental visits, infection & antibiotics.
* Performs the exam and evaluates patient’s pain level following injection
* Hospital Radiology Technologist
* Prints the examination order and relevant notes for the radiologist or RPA to review.
* Documents the patient’s history and pregnancy status prior to exam.
* Initiates the time out process as defined by the facility’s policy.
* Assists the radiologist, RPA or fluoroscopy technologist during procedure.
* Provides patient care during the procedure.
* Provides the patient with aftercare instructions and escorts patient to the CT department.

PROCEDURE

* Physician extenders must review all **INPATIENT** arthrogram requests with an MSK radiologist
* Please review any pertinent prior imaging
* Use the call center to connect with an available MSK rad (720-493-3777)
* Follow the facility’s Informed Consent policy
* Follow the facility’s Time-Out policy.
* Identify and mark the injection site using fluoroscopy **(Mask)**
* Prepare the injection site using aseptic technique
* Local anesthetic
* Needle placement (do not aspirate)
* If purulent fluid spontaneously flows back from the needle hub, aspirate, and consult an MSK radiologist
* Inject 1-2mLs Isovue/Omnipaque to confirm intraarticular needle placement
* Inject contrast/saline (50:50) (1-2mLs of saline may be substituted with 1% lidocaine)
* If anesthetic is administered with contrast, obtain and document pre- and post-injection pain scores.
* Reserve drafted dictation for the consulted MSK radiologist
* Provide the aftercare instructions to the patient and escort them to the CT department.

**IMAGING**

* Save image with contrast

**ASSOCIATED DOCUMENTS**

* RIA Fluoroscopy Form: Joint Injection & Arthrogram Technologist Pre-Appointment Contact
* Facility’s Patient Pregnancy Evaluation
* Facility’s Contrast Administration policy to evaluate known allergies
* Facility’s Universal Protocol
* Facility’s Informed Consent Policy
* Facility’s Time-Out Policy
* Facility’s Radiation Dose Management policy
* RIA Medication Guidelines for Medical Imaging Procedures
* RIA Uniform Guidelines for Use of Gadolinium-Based Agents
* RIA Uniform Guidelines for Use of Iodinated Agents

**REFERENCES**

These protocols are based on published American College of Radiology (ACR) guidelines.

* 6 Colorado Code of Regulations (CCR) 1007-1 Part 06 Radiation Control – X-Ray Imaging in the Healing Arts

**REVIEW/REVISION HISTORY**

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| **Review/Revision** | **Summary of Review/Revision** | **Effective Date (month/day/year)** |
| Original | Original | 06/16/2023 |
| Revision | Transferred contents into the approved template. | 04/13/2025 |