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## *Diagnostic Services-Radiology*

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**SUBJECT/TITLE:**                    **Protocol for Adult**  
**CT abdomen and pelvis trauma with delays (cysto)**  
**CT abdomen/Pelvis Trauma w/o delays**  
**CT Chest, abdomen and pelvis without delays**  
**CT chest, abdomen and pelvis with delays**  
**all of which can be done with or without IV contrast media**

### **I. Purpose**

Allow radiology technologist to order and administer IV contrast media

- A. Target patient population: patients scheduled for a CT abdomen and pelvis
- B. Criteria: Patient that has received some type of acute abdominal trauma

### **II. Clinical Assessment/ Screening**

- A. Allergies: iodinated contrast media
- B. Contraindications
  - estimated glomerular filtration rate (eGFR) less than 30 mL/min
  - pregnancy or suspected pregnancy
  - patient has previous adverse drug reaction and has not received pre-medications
- C. Previous adverse reactions to iodinated contrast media: The ordering provider must place premedication order as outlined in [Intravenous and Intraosseous Contrast Administration Policy DS-R-05.53](#)
- D. The pre-contrast-administration checks should be performed as outlined in [Intravenous and Intraosseous Contrast Administration Policy DS-R-05.53](#)
- E. 22 gauge Peripheral Ante cube IV or 24g. Diffusics is required

### **III. Details of order:**

- A. 22g or larger or 24g Diffusics peripheral IV must be placed.
- B. If cystogram is requested, a Foley catheter must be placed into the bladder
- C. The radiology technologist will place an order in the patient's EHR using the order mode "per protocol."
  - 1. The technologist will protocol the exam on the Radiology protocol list using the order mode "per protocol" choosing the appropriate protocol from the protocol list

- Body=>CT Abdomen/Pelvis Trauma w delays (Cysto)
  - Body=> CT Abdomen/Pelvis Trauma w/o delays
  - Body=>CT Chest/Abdomen/Pelvis w delays
  - Body=>CT Chest/Abdomen/Pelvis (Trauma) w/o delays
2. Subsequently, the order for contrast media will be placed: Iopamidol 370 mg I/mL (Isovue-370)
- a. Force scanner:
    - 100 ml iopamidol 370 mg I/ml (Isovue -370) given by IV push at 3 ml/sec by power injector
  - b. 128 slice scanner:
    - Patient weights 250 lbs or less:
      - 100 ml iopamidol 370 mg I/ml (Isovue-370)
    - Patient weighs 250 lbs. or greater:
      - 125 ml iopamidol 370 mg I/ml (Isovue -370) given by IV push at 3 ml/sec by power injector
  - c. If Using Foot IV:
    - Patient weight 250lbs or less:
      - Utilize dual syringe
      - 100 ml iopamidol 370mg I/ml (Isovue 370) given at 3 ml/second by power injector.
      - Followed by NaCl 0.9% (saline) 40 ml by IV push at 3ml/second by power injector
    - Patient weight 250 lbs or greater:
      - Utilize dual syringe
      - 125 ml given by IV push at 3 ml/second by power injector
      - Followed by NaCl 0.9% (saline) 40 ml by IV push at 3ml/second by power injector

#### **IV. Documentation**

- A. Staff utilizing protocol must document an order to initiate the protocol in the patient's medical record per PC-PCI-05.53.
- B. Assigned protocol will be documented on the Radiology order for the procedure.
- C. Staff will document the contrast administration in the Radiology order questions.

#### **V. References**

Iopamidol injection (Isovue -200, -250, -300, -370). Monroe Township, NJ: Bracco Diagnostics Inc. 2017 Apr.

[Intravenous and Intraosseous Contrast Administration Policy DS-R-05.53](#)

#### **IV. Approved by:**

6/4/2019

Date



Director: CT Body Imaging Division

6/4/2019

Date



Manager, CT

Date created: 4-17-2019

Source: Department of Radiology

Date approved:

Date effective:

Date revised:

Date reviewed:

