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## *Diagnostic Services- Radiology*

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**SUBJECT/TITLE:**                    **Protocol for Adult Patients Receiving CT for Abdomen and Pelvis with contrast media or Abdomen and Pelvis without contrast media in acute abdomen and or pelvis**

**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:

- acute abdomen
- RLQ pain
- LLQ pain
- R/O diverticulitis
- R/O appendicitis.

**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. The radiology technologist will place an order in the patient's EHR using the order mode "per protocol."
1. The technologist will choose the appropriate protocol from the Radiology protocol list:
    - Body=>CT Abdomen/Pelvis routine w/o delay
    - Body=>CT Abdomen/Pelvis w/o IV contrast
  2. Subsequently, the order for contrast media will be placed for 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/second by power injector
    - b. 64 and 128 Slice Scanners:
      - Patient weights 250 lbs or less:
        - 100 ml iopamidol 370 mg I/ml (Isovue 370) given by IV push at 3 ml/second by power injector
      - Patient weights 250 lbs or greater:
        - 125 ml given by IV push at 3 ml/second by power injector
    - c. If Using Foot IV:
      - Patient weight 250 lbs 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](#)

**VI. Approved by:**

6/4/2019  
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Date

  
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Director: CT Body Imaging Division

6/4/2019  
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Date

  
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Manager, CT

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