
Diagnostic Services-Radiology

SUBJECT/TITLE: **Protocol for Adult**
CT Chest, Abdomen and Pelvis with contrast media
CT Chest, Abdomen and Pelvis without contrast media in
patients for follow up melanoma and sarcoma

I. Purpose:

Allow radiology technologist to order and administer IV contrast media

- A. Target patient population: patients scheduled for a CT Chest abdomen and pelvis
- B. Criteria:
 - follow up for melanoma
 - Follow up for sarcoma

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 protocol the exam on the Radiology protocol list using the order mode "per protocol" choosing the appropriate protocol from the protocol list.
 - Body=>CT Chest/Abdomen/Pelvis routine w/o delay
 - Body=>CT Chest/ Abdomen/Pelvis w/o IV contrast

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/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 370 mg I/ml (Isovue 370) given at 3 ml/second by power injector.
 - Followed by NaCl 0.9% (saline) 40 ml by IV push at 3 ml/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 3 ml/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:

Date 6/4/2019


Director: CT Body Imaging Division

Date 6/4/2019


Manager, CT

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Source: Department of Radiology
Date approved:
Date effective:
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