
Diagnostic Services- Radiology

SUBJECT/TITLE: **Protocol for Adult Patients Receiving
CT Abdomen with contrast media
CT Abdomen and Pelvis with contrast media
CT Chest, Abdomen and pelvis with contrast in patients for
biphasic liver exams**

I. Purpose:

Allow radiology technologist to order and administer IV contrast media

A. Target patient population: patients scheduled for a CT Abdomen and Pelvis or Chest, abdomen and pelvis

B. Criteria

- Hepatic mass
- Suspicion of metastases to liver
- Pre-liver transplant
- Cirrhotic liver
- Carcinoid
- Neuroendocrine disease

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. 20 gauge Peripheral Ante cube IV or 22g. Diffusics is required

III. Details of order

A. 20g or larger or 22g 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 abdomen Biphasic Liver
 - Body=>CT Abdomen/Pelvis Biphasic Liver
 - Body=>CT Chest/Abdomen/Pelvis Biphasic Liver
 2. Subsequently, the order for contrast media will be placed: Iopamidol 370 mg I/mL (Isovue-370)
 - a. **FORCE Scanner:**
 - 125ml iopamidol 370mg I/ml (Isovue 370) given by IV push at 5ml/second by power injector
 - b. **64 and 128 Slice Scanners:**
 - 150ml iopamidol 370mg I/ml (Isovue 370) given by IV push at 5ml/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:


10/1/2019

 Date



10-1-19

 Date



Director: CT Body Imaging Division

Manager, CT

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