
Diagnostic Services-Radiology

SUBJECT/TITLE: **Protocol for Adult Patients Receiving:
Right, left, and bilateral CT Angio lower extremity w/wo
contrast
CT Angio Abdomen and Pelvis with bilateral lower leg runoff
w/wo
CT Angio Pelvis with single lower extremity runoff w/wo**

I. Purpose:

Allow radiology technologist to order and administer IV contrast media

- A. Target patient population: patients scheduled for a CT right, left, bilateral leg and pelvis runoff.
- B. Criteria:
 - Evaluation for arterial stenosis, aneurysm, clot, vascular anatomy and stent placement

II. Clinical Assessment/ Screening

- A. Allergies: iodinated based 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.

- Chest=> CTA abdomen/pelvis to include leg runoff
 - Chest=> CTA pelvis and bilateral leg runoff
 - Body=> CTA bilateral leg runoff
 - Body=> CTA single leg runoff
2. Subsequently, the order for contrast media will be placed: Iopamidol 370 mg I/mL (Isovue-370)
- Power Injected IV Contrast Media in the FORCE scanner:
 iopamidol 370 mg I/ml (Isovue-370) 35 ml at 5 ml/sec
 followed by 60/40mix (contrast/saline) of 109 mL at 3.5 ml/sec
 followed by 75 ml of NaCl 0.9% (saline) IV push at 3.5 ml/sec
 - Power Injected IV Contrast Media in 64 and 128 scanners:
 iopamidol 370 mg I/ml (Isovue-370) 35 ml at 5 ml/sec
 followed by 60/40mix (contrast/saline) of 115 mL at 3.5 ml/sec
 followed by 60 ml of NaCl 0.9% (saline) IV push at 3.5 ml/sec
 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

 Date

 Director: CT Body Imaging Division

6/4/2019

 Date

 Manager, CT

Date created: 5-16-2019