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 glomuler 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.

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• 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

Intravenous and Intraosseous Contrast Administration Policy DS-R-05.53

VI. Approved by:

[Signature]
Date: 6/4/2019
Director: CT Body Imaging Division

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Date: 6/4/2019
Manager, CT

Date created: 5-16-2019

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