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 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. 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/mL (Isovue-370)

   a. FORCE Scanner:
      - 100 ml iopamidol 370 mg/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:
         o 100 ml iopamidol 370 mg/ml (Isovue 370) given by IV push at 3 ml/second by power injector

      - Patient weights 250 lbs or greater:
         o 125 ml given by IV push at 3 ml/second by power injector

   c. If Using Foot IV:
      o Patient weight 250 lbs or less:
         o Utilize dual syringe
         o 100 ml iopamidol 370 mg/ml (Isovue 370) given at 3 ml/second by power injector.
         o Followed by NaCl 0.9% (saline) 40 ml by IV push at 3 ml/second by power injector

      o Patient weight 250 lbs or greater:
         o Utilize dual syringe
         o 125 ml given by IV push at 3 ml/second by power injector
         o 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


   Intravenous and Intraosseous Contrast Administration Policy DS-R-05.53

VI. Approved by: