

**HACKETTSTOWN REGIONAL MEDICAL CENTER
CARDIO PULMONARY POLICY MANUAL
INTRAVENOUS ECHO BUBBLE STUDY**

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Purpose: To provide a contrast Bubble Study for patients with suspicion of an ASD that cannot be ruled out by Echocardiogram.

Procedure:

Indications:

Patients who are candidates for an Echo Bubble Study may be identified by the Cardiologist or referring physician after interpreting the Echocardiogram or reading the Echo report. Any patient whose echocardiogram shows suspicion of blood flow crossing over the septum ASD, the right ventricle is dilated or the septum is aneurismal. Right-to-left, bi-directional or transient right-to-left cardiac shunts.

Documentation:

- The Cardiologist or Referring Physician will give the out patient a prescription for a Bubble Study exam. The patient will call and make an appointment to have the procedure done.
- For in patients needing a Bubble Study a task will be placed in Cerner Specifying the Cardiologist to read the exam.

Before the pt arrives make, sure the exam room is prepared with sheets, gowns, electrodes, 3way stop cock and IV starter kit. When the patient arrives, greet him/her in a friendly and professional manner and introduce yourself check id name bands or ask pts for name and birthday. Explain the procedure to the patient. Who is going to be present, how long test results take, how the pictures are obtained, what the cardiologist is looking for and that a Nurse will start the IV. Have the patient change only from waist up and provide a hospital gown.

- Call the Nurse to start the patients IV
- Enter a task for the procedure in Cerner
- Enter all data into the Epiq C7 Echo machine (Name, Medical Record number, Date of Birth, Cardiologist performing the exam, and Referring Physician).
- Attach the EKG leads to the patient
- Call the Cardiologist/Nurse/Respiratory Therapist to inform him that you are ready to start.
- Change the Beat to 10 heart beats
- The Cardiologist/ Nurse/Respiratory Therapist will agitate saline and inject a 10-cc syringe of saline through the patients IV.
- Call the Nurse to take the IV out.
- After the patient gets cleaned up and dressed escort the patient out.
- Finalize the order in Cerner that will place a charge for the Bubble study.
- End the Exam in the Epiq C7 that will send all the images to the Hart Lab system for the Cardiologist to create a report and finalize by signing. We will fax a copy of the report to the referring or non-staff Physician and send the report to Medical Records to be scanned into Cerner.
- Log the Procedure in the Echo Log Book.