(A) Policy Statement

The ECHO Technologist will provide safe and effective care when using Definity contrast on a patient in a manner to insure that quality care is given and quality results are achieved.

(B) Purpose of Policy

Activated Definity injectable suspension is indicated for use in patients with suboptimal echocardiograms to opacify the left ventricular chamber and to improve the delineation of the left ventricular endocardial borders. Activated Definity can be used during Exercise Stress, Dobutamine Stress, Resting Echocardiograms and Transesophageal Echocardiograms.

(C) Procedure

Criteria for Definity Usage

Basic criteria may include, but not limited to, the following:
1. Stress Echocardiogram-Definity may be used if two or more of left ventricular wall segments are poorly visualized on the baseline views.
2. Transthoracic/Transesophageal Echocardiograms-Definity may be used if two or more left ventricular wall segments are poorly visualized or if apical views are suspicious for a thrombus. Definity may also be used to enhance Doppler signals. Definity may also be used to assess for aortic dissection.

Contraindications: Activated Definity should not be administered to patients with the following:

♦ Known hypersensitivity to perflutren
♦ Patients with known cardiac shunts
♦ By direct intra-arterial injection
♦ Pregnant or nursing
♦ Caution should be exercised in patients with severe emphysema, pulmonary vasculitis, or a history of pulmonary emboli.
♦ Patients receiving Definity with pulmonary hypertension RVSP > 50mmHg or unstable cardiopulmonary conditions failure, will be continuously monitored during the injection and for a minimum of 30 minutes post-injection. Monitoring of these patients will include vital signs, oxygen saturation and ECG.
♦ All questions on Echo Lab worksheet must be answered prior to administration of Definity. A physician must sign an order for Definity.
**Protocol**

If the criteria for Definity use are met as mentioned above, the following will be implemented:

1. The sonographer or physician will assess the need for Definity in compliance with the procedure.
2. The physician will oversee the order.
3. The RN or Nuclear Technologist should be contacted to start the IV if needed.
4. Use bolus or slow bolus injection of Definity.
5. The RN or physician will inject the activated Definity.
6. The patient should be observed for 10-15 minutes for hypersensitivity after the last injection of Definity.
7. Remove IV and release patient if asymptomatic.

**According to American Society of Echocardiography guidelines.**

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<tr>
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<td>03/21/2019</td>
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**Review/Revision Completed By: Todd Korzec**
**Heart Station**

| Next Review Date: | 3/2022 |

**Policies Superseded by This Policy:**