

 Lakeridge Health	Agitated Saline (Bubble Study) with Transthoracic Echo – Medical Directive	
	Manual: Medical Directives & Delegated Controlled Acts	Original Date: 17SEP2024
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Authorizing Prescriber(s)

Cardiologists working at Lakeridge Health (LH).

Authorized to Whom

All Cardiac Diagnostic Medical Sonographers (DMS) who are employees of Lakeridge Health who have the knowledge, skill and judgement to order a relevant agitated saline during a patient's Transthoracic Echocardiography (TTE) Scan.

Patient Description/Population

Patients with a diagnosis and/or primary problem of stroke (e.g. hemorrhagic, ischemic), and/or transient ischemic attack (TIA), scheduled for a TTE and is 60 years of age and under.

Order and/or Procedure

5-10 ml Agitated Saline (0.9% NaCl) via peripheral IV.

Indications to the Implementation of the Directive

All stroke/CVA/TIA patients aged 60 and under.

Contraindications to the Implementation of the Directive

- Patient or Substitute Decision Maker (SDM) withdraws or refuses diagnostic investigation
- Right to left intracardiac shunting noted by Colour Doppler
- Presence of Cor Pulmonale

Consent

Consent must be obtained by the DMS prior to implementing this medical Directive.

Documentation Requirements

The DMS will select the agitated saline option during the end exam activity and document the order mode 'as per Agitated Saline with TTE Medical Directive' into the technologist study comments.

Review/Evaluation Process

The medical directive will be reviewed every two years as directed by the Diagnostic Imaging Program.

This table must **not** be used independently apart from the Medical Directive

Order Table Form

Order	Indication	Contraindication	Notes (Optional)
5-10 ml of Agitated Saline via patient's peripheral IV	Patients with a diagnosis and/or primary problem of stroke (e.g. hemorrhagic, ischemic), and/or transient ischemic attack (TIA), scheduled for a TTE and is 60 years of age and under	<ul style="list-style-type: none">• Patient or Substitute Decision Maker (SDM) withdraws or refuses diagnostic investigation• Right to left intracardiac shunting noted by Colour Doppler• Presence of Cor Pulmonale	Inject 5 to 10 ml of agitated saline (depending on image quality) from 10ml prefilled saline syringe containing 9ml saline solution + 0.5ml air via patient's peripheral IV